

B81wZw  
1901/02

# WOMEN'S COLLEGE

IN

## BROWN UNIVERSITY



1901-1902




WOMEN'S COLLEGE  
IN  
BROWN UNIVERSITY  
ANNUAL  
ANNOUNCEMENT

ACADEMIC YEAR 1901-1902



THE LIBRARY OF THE  
MAR 24 1931  
UNIVERSITY OF ILLINOIS

PROVIDENCE, R. I.  
REMINGTON PRINTING CO., 63 WASHINGTON STREET  
1901



Digitized by the Internet Archive  
in 2012 with funding from  
University of Illinois Urbana-Champaign

## ANNUAL ANNOUNCEMENT

---

In the Graduate Department of Brown University all courses are open to both men and women, at the same times and places and under the same conditions.

Instruction for undergraduate women is provided for by a department of the University, known as the Women's College in Brown University. The aim of this College is to offer to all properly prepared women precisely the same examinations, the same courses of study under the same teachers, the same degrees, the same opportunities in every respect that the University offers to men, but to preserve the distinct social life of a separate college.

The general direction, supervision and government of the Women's College are in the hands of the President. The immediate charge of the Women's College in respect to registration, teaching, government and discipline, devolves, subject to the direction of the President, on the Dean. The Advisory Council, appointed under the authority of the Corporation, advises with the President and with the Dean upon matters relating to the Women's College, and makes recommendations to the Advisory and Executive Committee, or to the Corporation.

The instruction in the Women's College is given by the professors and instructors in Brown University. Brown University examinations are open to women only when they are registered in the Women's College or as graduate students.

The Corporation receives gifts of money to found scholarships, fellowships, and professorships in Brown University for the behoof of its women students, and for the general purposes of the Women's College, and holds and administers such funds as separate and distinct from the general funds of the University.

## Requirements for Admission

The requirements for admission to the Women's College are the same that the University demands of men; and the entrance examinations for women are held at the same times and places and under the same conditions as those for men. In place of entrance examinations, certificates may be presented from duly authorized schools.

## Courses of Instruction

In all the required studies classes are formed which are taught by the professors and instructors who have in charge the corresponding classes of men.

The elective courses are identical in character with those offered to men, but during any given year are more limited in number. This circular contains precise information as to the courses offered in 1901-02. It is desirable that election be confined as far as possible to the courses thus announced. Individual preferences in electives may be specially provided for upon consultation with the Dean.

## Special Students

Students who do not wish to become candidates for a degree are admitted to special courses of any extent, consisting either of special work in a single subject or of general studies for one term or more. Each applicant for registration in such a course must present to the Dean sufficient evidence of her ability to pursue successfully the course chosen. Moreover, every special student, unless excused by the Dean and by the professors in charge of her subjects, must take the regular examinations in those subjects.

## Examinations

As a rule, women take the same examinations as those offered to men, and at the same times and places. When this is impracticable, and a separate examination is necessary, the two examinations are made as nearly identical in character as possible.

Before each University examination period the Dean files with the Registrar of the University a list of all undergraduate candidates for University examinations who are approved by the instructors in the Women's College, thus certifying to the fitness of the candidates to undertake the examinations; but no candidate is admitted to an examination whose term-bill is not paid or satisfactorily arranged-for at least five days before the beginning of the examination period.

### Degrees

Upon women students who complete with credit any of the regular courses, the Corporation of the University confers the corresponding degrees.

Special students who satisfactorily complete any of the minor courses of study receive certificates of their attainments.

Detailed information in regard to requirements for admission, and all other matters equally affecting undergraduate men and women, may be obtained from the catalogue of Brown University.

The eleventh academic year of the Women's College will begin on Wednesday, September 18, 1901, with chapel service in Pembroke Hall, at 8.45 A. M.

# Officers of Administration and Instruction

With their Titles in Brown University

---

WILLIAM HERBERT PERRY FAUNCE, D. D., PRESIDENT

ANNIE CROSBY EMERY, PH. D., DEAN

EMMA BRADFORD STANTON, A. M., ASSISTANT REGISTRAR

---

BENJAMIN FRANKLIN CLARKE, SC. D.

*Professor of Mechanical Engineering*

JOHN HOWARD APPLETON, SC. D.

*Newport-Rogers Professor of Chemistry*

WILLIAM CAREY POLAND, A. M.

*Professor of the History of Art, and Director of the Museum of  
Fine Arts*

NATHANIEL FRENCH DAVIS, LL. D.

*Professor of Pure Mathematics*

WILLIAM WHITMAN BAILEY, LL. D.

*Professor of Botany*

WINSLOW UPTON, A. M.

*Professor of Astronomy and Director of the Ladd Observatory.*

ALBERT GRANGER HARKNESS, A. M.

*Professor of Roman Literature and History*

COURTNEY LANGDON, A. B.

*Professor of the Romance Languages and Literatures*

WILFRED HAROLD MUNRO, A. M.

*Professor of European History*

JAMES IRVING MANATT, PH. D., LL. D.

*Professor of Greek Literature and History*

WALTER COCHRANE BRONSON, A. M.

*Professor of English Literature*



WALTER GOODNOW EVERETT, PH. D.

*Professor of Philosophy and of Natural Theology*

ASA CLINTON CROWELL, PH. D.

*Assistant Professor of the Germanic Languages and Literatures*

CARL BARUS, PH. D.

*Hazard Professor of Physics*

FRANCIS GREENLEAF ALLINSON, PH. D.

*David Benedict Professor of Classical Philology*

HENRY PARKER MANNING, PH. D.

*Assistant Professor of Pure Mathematics*

JAMES QUAYLE DEALEY, PH. D.

*Associate Professor of Social and Political Science*

WALTER BALLOU JACOBS, A. M.

*Associate Professor of Pedagogy*

ALBERT DAVIS MEAD, PH. D.

*Professor of Embryology and Neurology*

ALBERT KNIGHT POTTER, A. M.

*Associate Professor of the English Language*

ALBERT BUSHNELL JOHNSON, A. M.

*Assistant Professor of the Romance Languages*

FREDERICK POOLE GORHAM, A. M.

*Assistant Professor of Biology*

ALEXANDER MEIKLEJOHN, PH. D.

*Assistant Professor of Philosophy*

JOHN FRANCIS GREENE, A. M.

*Assistant Professor of Roman Literature and History*

FREDERICK SLOCUM, PH. D.

*Assistant Professor of Astronomy*

WILLIAM MACDONALD, PH. D.

*Professor of History*

HENRY THATCHER FOWLER, PH. D.

*Professor of Biblical Literature and History*

GEORGE WYLLYS BENEDICT, PH. D.

*Assistant Professor of English*

THOMAS CROSBY, JR., A. M.

*Assistant Professor of Public Speaking and English*

ALBERT SWIFT MORSE, A. M.

*Instructor in the Romance Languages*

EDWARD EVERETT THOMPSON, A. B.

*Instructor in German*

ALLEN H. WILLETT, PH. D.

*Instructor in Political Economy*

FRANK WILSON CHENEY HERSEY, A. M.

*Instructor in English*

JANET M. AUTY (Graduate of the Sargent Normal School.)

*Instructor in Physical Culture*

#### ADVISORY COUNCIL

MISS SARAH E. DOYLE,

MISS AMELIA S. KNIGHT,

MRS. ELIZA G. RADEKE,

MRS. A. I. C. D. AMES,

MRS. ANNIE HOWE BARUS.

# THE COURSES OF INSTRUCTION

## ARRANGED ACCORDING TO YEARS AND TERMS

### For Candidates for the Degree of Bachelor of Arts

#### PRESCRIBED COURSES

##### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Mathematics 1	Mathematics 3	Mathematics 2
Gymnasium	Gymnasium	Gymnasium

##### SOPHOMORE YEAR

English 1	English 2	English 3
German 1 or French A	German 2 or French B	German 3 or French C
Gymnasium	Gymnasium	Gymnasium
Electives, nine hours	Electives, nine hours	Electives, nine hours

##### JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen
Electives, † twelve hours	Electives, twelve hours	hours.

##### SENIOR YEAR

The work of the Senior year consists entirely of elective studies, fifteen hours per week.

\*Students who pursue French 1, 2, 3 during the Freshman year must take German during the Sophomore year; those who pursue German 4, 6, 8 during the Freshman year must take French during the Sophomore year. This note applies also to the courses for all other degrees.

†Every candidate for the degree of Bachelor of Arts must take before graduation some one complete course in Philosophy.

## For Candidates for the Degree of Bachelor of Philosophy

### PRESCRIBED COURSES

#### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
English 1	English 2	English 3
Gymnasium	Gymnasium	Gymnasium

and one of the following :

Botany 1	Botany 2	Botany 3
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
Comp. Anatomy 15	Comp. Anatomy 1	Comp. Anatomy 2

#### SOPHOMORE YEAR

German 1 or French A Gymnasium	German 2 or French B Gymnasium	German 3 or French C Gymnasium
Electives, twelve hrs.	Electives, twelve hrs.	Electives, twelve hrs.

#### JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen
Electives, ‡ twelve hours	Electives, twelve hours	hours

#### SENIOR YEAR

The work of the Senior year consists entirely of elective studies, fifteen hours per week.

\* See Note Page 7.

‡ Every candidate for the degree of Bachelor of Philosophy must take before graduation some one complete course in Philosophy.

## For Candidates for Either Degree

## ELECTIVE COURSES

<i>First Term</i>		<i>Second Term</i>		<i>Third Term</i>	
Philosophy 2	3 h.	Philosophy 3	3 h.	Philosophy 4	3 h.
Philosophy 8	3 h.	Philosophy 9	3 h.	Philosophy 10	3 h.
				Philosophy 44	3 h.
		Education 1	3 h.	Education 3	
		Education 4		Education 6	
Greek 4	3 h.	Greek 5	3 h.	Greek 6	3 h.
Greek 16	3 h.	Greek 17	3 h.	Greek 18	3 h.
		Greek 43	1 h.	Greek 43	1 h.
Latin 4	3 h.	Latin 5	3 h.	Latin 6	3 h.
Latin 7	3 h.	Latin 8	3 h.	Latin 9	3 h.
History of Art 1	3 h.	History of Art 4	3 h.	History of Art 6	3 h.
English 16	3 h.	English 17	3 h.	English 18	3 h.
English 70	3 h.	English 71	3 h.	English 72	3 h.
English 67	3 h.	English 68	3 h.	English 69	3 h.
History 7	3 h.	History 8	3 h.	History 9	3 h.
				History 3	
Biblical History 4	3 h.	Biblical History 5	3 h.	Biblical History 6	3 h.
Social Science 12	3 h.	Pol. Science 12	3 h.	Econ. Science 12	3 h.
Social Science 5	3 h.	Social Science 2	3 h.	Social Science 4	3 h.
German 4	3 h.	German 6	3 h.	German 8	3 h.
German 46	3 h.	German 47	3 h.	German 48	3 h.
French 13	3 h.	French 14	3 h.	French 15	3 h.
French 34	3 h.	French 35	3 h.	French 36	3 h.
Italian 1	3 h.	Italian 11	3 h.	Italian 21	3 h.
Mathematics 9	3 h.	Mathematics 10	3 h.	Mathematics 12	3 h.
Chemistry 1	3 h.	Chemistry 2	3 h.	Chemistry 3	3 h.
Physics 1	3 h.	Physics 2	3 h.	Physics 32	3 h.
Astromomy 1	3 h.	Astronomy 2	3 h.	Astronomy 6	3 h.
Comp. Anatomy 15	4 h.	Comp. Anatomy 1	4 h.	Comp. Anatomy 24	h.
Botany 1	4 h.	Botany 2	4 h.	Botany 3	4 h.

## COURSES OF INSTRUCTION ARRANGED ACCORDING TO DEPARTMENTS.

### Philosophy

NOTE: Some one complete course in this department is required of every candidate for a degree. By a complete course is understood all that is grouped together as a three-hour course under a single name in the accompanying announcements, whether it consists of one term's work or of several. The courses in Pedagogy cannot be taken to satisfy this requirement.

2, 3, 4. *Psychology*. General Synthetic Course. Three hours. Through the year. Elective for Juniors and Seniors.

Professor MEIKLEJOHN.

8. *History of Greek Philosophy*. Three hours. First Term.

9. *History of Mediaeval and Early Modern Philosophy*. Three hours. Second Term.

10. *History of Recent and Contemporary Philosophy*. Three hours. Third Term. Elective for Juniors and Seniors.

The successive philosophical systems in their dialectical developments and mutual relations; treatment not merely analytic and historical, but synthetic and constructive as well.

Professor EVERETT.

[5, 23. *Theoretical Ethics*. Three hours. First and Second Terms. Elective for Juniors and Seniors.

Intended to aid in mastering the fundamental problems of life and character. First Term, a discussion of the nature and relations of ethics and an outline of the history of the chief ethical systems; Second Term, a critical study of the fundamental concepts of ethics with the aim of constructing a tenable theory of conduct.

24. *Philosophy of Religion*. Three hours. Third Term. Elective for Juniors and Seniors who have had previous philosophical training.]

An investigation of the ultimate grounds of religious belief.

Not offered 1901-2.

Professor EVERETT.

Courses 8, 9, 10 and 5, 23, 24 will be given in alternate years.

44. *Practical Ethics*. Three hours. Third Term. Elective for Seniors.

President FAUNCE

### Education

1. *History of Educational Theories and Institutions*. Three hours. First Term. Elective for Juniors and Seniors.

Education among the Greeks and the Romans; the Rise and Constitution of Universities; Erasmus and the Humanists; Comenius and the Realists; Rousseau and the Naturalists; Psychologizing Education, Pestalozzi, Froebel, Herbart.



2. *A Critical Study of Modern Education.* Three hours. Second Term. Elective for Juniors and Seniors.

3. *The Fundamental Principles of Education.* Three hours. Third Term. Elective for Juniors and Seniors.

The meaning and aim of education; the sequence and coördination of studies; the principles of instruction as derived from psychology; apperception; the steps in method; the use of the type in instruction; the training of the will and the principles of moral education.

Professor JACOBS

4. *The Psychology of Education.* Three hours. First Term. Elective for Seniors.

The principles of psychology applied to method in education and instruction.

5. *The Hygiene of Education.* Three hours. Second Term. Elective for Seniors.

The hygiene of growth. Play and fatigue. Eyesight and hearing. School diseases. School architecture. Warming, ventilating and lighting. Sanitation. School furniture. School programmes.

6. *Practical Introduction to Teaching.* Three hours. Third Term. Elective for Seniors.

Organization of school systems. Management and discipline of classes. Observation of good teaching. Practical applications in method.

Professor JACOBS

NOTE: Courses 1, 2 and 3 treat of education in its relation to the individual, and to the social and political whole, and hence are of interest to all students, whether they intend to teach or not. At the same time they form a proper and necessary introduction to the professional courses which follow. It is recommended that those who intend to teach elect these courses during the Junior year.

NOTE: *Teachers' Certificates.* The above courses, 1-6 cover the requirements in professional studies for certificates of the First Grade in all states except where practice teaching or experience is demanded. In Rhode Island, *the holding of a certificate is required of all teachers*, in schools supported in whole or in part by public money. Certificates of the First Grade are granted without examination to those who have completed the above courses and hold a college degree.

NOTE: Those who have completed courses 1-6 and hold a college degree are eligible to appointment in the Primary and Grammar Training Schools of Providence, under especially favorable conditions.

Owing to the absence of Professor Jacobs during the first term 1901-02, Education 1 and 4 will be given the second term and 2 and 5 will be omitted.

## History

1. *General Mediaeval History of Europe*. Recitations and lectures, reports by members of the class, and supplementary readings. Three hours. First Term. Required of all Juniors.

Professor MUNRO.

2. *General Modern History of Europe*. Methods as indicated under Course 1. Three hours. Second Term. Required of all Juniors.

Professor MUNRO.

3. *The Reformation*. Third Term. Elective for Juniors and Seniors.

Professor MUNRO.

7. *Constitutional and Political History of the United States to 1763*. Three hours. First Term. Elective for Seniors.

Professor MACDONALD

8. *Constitutional and Political History of the United States from 1763 to 1829*. Three hours. Second Term. Elective for Seniors.

Professor MACDONALD

9. *Constitutional and Political History of the United States since 1829*. Three hours. Third Term. Elective for Seniors.

Professor MACDONALD

## Social and Political Science

12. *Social Science. Elementary Course*. Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Dr. WILLETT.

12. *Political Science. Elementary Course*. Three hours. Second Term. Elective for Sophomores, Juniors and Seniors who have passed in Social Science 12.

Dr. WILLETT.

12. *Political Economy. Elementary Course*. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors who have passed in Social Science 12 and Political Science 12.

Dr. WILLETT.

*The above subjects constitute a single course, introductory to advanced work in Social and Political Science and Political Economy. Sophomores who intend to pursue such work in the future must elect this course in 1901-2.*

5. *Development of Social Theory*. Three hours. First Term. Elective for Juniors and Seniors.

Tracing important theories, ancient and modern, in regard to social conditions and development.

Professor DEALEY.

2. *Social Problems and Conditions*. Three hours. Second Term. Elective for Juniors and Seniors.

Professor DEALEY.

4. *Social Philosophy*. Three hours. Third Term. Elective for Juniors and Seniors.

Professor DEALEY.



## History of Art

The restrictions formerly made in regard to Courses 7 and 9 in the History of Art, which were removed in 1900-1, are now restored. Course 7 will be open hereafter to those students only who have passed in Course 6, and Course 9 will be open to those students only who have passed in Course 7.

In 1901-2 the following courses will be offered.

1. *Ancient Art.* Three hours. First Term.
  4. *Roman, Early Christian and Mediaeval Art.* Three hours. Second Term.
  6. *Art of the Renaissance.* Three hours. Third Term.
- Elective for Juniors and Seniors.

Professor POLAND.

In 1902-3 Courses 7, 9 and 8 will be offered, and Courses 1, 4 and 6 will not be offered. Those who wish to obtain the six Courses (1, 4, 6, 7, 9, 8) must begin with electing Courses 1, 4 and 6 in the Junior year.

The text-book in Course 1 is Tarbell's History of Greek Art. Students must have their text-books at the opening of the term, and no excuse based on a failure to obtain a text-book will be accepted after the lectures begin.

## Greek Literature and History

1. *Lysias.* Three hours. *Greek History.* One hour. First Term. Required of candidates for the degree of Bachelor of Arts.

Lysias, select orations and practice in sight reading.

Dean EMERY and Professor GREENE.

2. *Plato.* Three hours. *Greek History.* One hour. Second Term. Required of candidates for the degree of Bachelor of Arts.

Plato's *Apology* and *Crito*, with other selections for sight reading.

Dean EMERY and Professor GREENE.

3. *Homer.* Three hours. *Greek Language and Literature.* One hour. Third Term. Required of candidates for the degree of Bachelor of Arts.

The *Odyssey*, four books, rapid reading of other books; lectures on the life of the Heroic Age as revealed in the poems and illustrated by recent archæological research.

Professors MANATT and ALLINSON.

4. *Herodotus.* Three hours. First Term. Elective for Sophomores.

Professor MANATT.

5. *Euripides.* *Iphigenia in Tauris*, and *Alcestis.* Three hours. Second Term. Elective for Sophomores.

Professor MANATT.

6. *Lucian.* Three hours. Third Term. Elective for Sophomores.

Professor ALLINSON.

16. *The Drama*. Euripides, *Medea*; Aristophanes, *Frogs*. Three hours. First Term. Elective for Juniors and Seniors.

Professor ALLINSON.

17. *Smyth's Lyric Poets*. Three hours. Second Term. Elective for Juniors and Seniors.

Professor ALLINSON.

18. *Thucydides*. Three hours. Third Term. Elective for Juniors and Seniors.

Dean EMERY.

43. *Greek Composition and Grammar*. One hour. Second and Third Term. Elective for Juniors and Seniors.

This course is intended especially for those who expect to teach Greek. Gildersleere's new Syntax, or Goodwin's Moods and Tenses, or Goodwin's Grammar will be studied.

Professor ALLINSON.

### Roman Literature and History.

1. *Livy*. Early Roman History. Four hours. First Term. Required of candidates for the degree of Bachelor of Arts.

Professor GREENE.

2. *Cicero*. Letters. Cicero and his times. Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts.

Professor GREENE.

3. *Tacitus*. *Germania* and *Agricola*. History of the Early Empire. Four Hours. Third Term. Required of candidates for the degree of Bachelor of Arts.

Professor GREENE.

4. *Horace*. Odes and Selections from the Epistles. Three hours. First Term. Elective for Sophomores.

Dean EMERY.

5. *Cicero*. *Tusculan Disputations*. Three hours. Second Term. Elective for Sophomores.

Dean EMERY.

6. *Catullus*, *Tibullus* and *Propertius*. Three hours. Third Term. Elective for Sophomores.

Dean EMERY.

7, 8, 9. *Latin Poetry*. Three hours through the year. Elective for Juniors and Seniors.

First Term: *Plautus*, *Trinummus*, *Captivi* and *Rudens*.

Second Term: *Lucretius*, Selections.

Third Term: *Juvenal* and *Martial*, Selections.

Professor HARKNESS.

Through the courtesy of the department and with the consent of the President, students of the Women's College are permitted to attend seminary courses 10, 14, 15, and 16, 17 18, on the recommendation of the Dean.

## English Literature and Language

1, 2, 3. *Practical Rhetoric*. Four hours. Through the year. Required of all Freshmen who are not candidates for the degree of Bachelor of Arts, and of all Sophomores who have not taken the subject in the Freshman year.

Professor BENEDICT.

4, 5, 6. *Argumentative Composition*. One hour. Through the year. Required of all Juniors.

Mr. HERSEY.

16, 17, 18. *English Literature, introductory*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

Designed to cultivate an intelligent appreciation of the greater poets and prose-writers and to give a general knowledge of the history of English literature.

Professor BRONSON.

70, 71, 72. *Early English*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

First Term: Old English. Second Term: Early Middle English and Chaucer. Third Term: Chaucer. The aim of the course is to give a comprehensive knowledge of the nature and the development of our language and literature in its earlier periods; grammatical details will be subordinated, as far as possible, to the study of the literature. Intended for general culture and especially for those who propose to become teachers of English.

Professor POTTER.

67, 68, 69. *Shakspeare*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18, and for others at the discretion of the instructor.

A literary course, intended for purposes of general culture. All the plays will be read, and the greater plays will be studied as to style, sources and structure of plot, character-portrayal, and *motif*. As an aid to the broader appreciation of Shakspeare some attention will be paid to the historical development of the English Drama, and a few plays by some of Shakspeare's contemporaries, as Marlowe, Jonson, Beaumont and Fletcher, Dekker and Webster, will be read and discussed.

Professor CROSBY

## Germanic Languages and Literatures

### German

1. *Elementary Course*. Three hours. First Term. Required of all Sophomores who did not present German for entrance.

Reading at outset, mastery of forms, dictations.

Mr. THOMPSON.

2. *Intermediate Course.* Three hours. Second Term. Required of all Sophomores who did not present German for entrance.

Grammar, composition, conversation; selections from Goethe, Uhland, Schiller, Freytag, Benedix and Heyse.

Mr. THOMPSON.

3. *Nineteenth Century Prose.* Three hours. Third Term. Required of all Sophomores who did not present German for entrance.

Reading at sight, grammar, composition, conversation.

Mr. THOMPSON.

4. *Lessing.* Three hours. First Term. Elective for students who have passed in 1, 2, 3, and required of all who presented German for entrance.

Emilia Galotti, Minna von Barnhelm, or equivalents; lectures on Lessing's life and works.

Professor CROWELL.

6. *Schiller.* Three hours. Second Term. Elective for students who have passed in 4, and required of all who presented German for entrance.

Jungfrau von Orleans, Balladen und Romanzen, or equivalents; lectures on Schiller's life and works.

Professor CROWELL.

8. *Goethe.* Three hours. Third Term. Elective for students who have passed in 6, and required of all who presented German for entrance.

Götz von Berlichingen, Iphigenie auf Tauris, or equivalents; lectures on Goethe's life and works.

Professor CROWELL.

46, 47, 48. *Goethe's Faust*, Parts I and II. Three hours. Through the year. Elective for students who have passed in 8.

Lectures, essays, original text read by students in class, weekly written translations.

Professor CROWELL.

Through the courtesy of the department and with the consent of the President, students of the Women's College are permitted to attend the advanced classes in German Literature and Middle High German at the University, on the recommendation of the Dean.

## Romance Languages and Literatures

### French

A. B. C. *Elementary Course.* Grammar, composition and the reading of easy selections in modern French. Three hours. Through the year. The equivalent of the Elementary French required for admission. Required of all Sophomores who offer for admission German instead of French.

Mr. MORSE.

1, 2, 3. *Modern French*. Rapid translation, composition and dictations. Three hours. Through the year. Required of Freshmen.  
Professor JOHNSON.

13, 14, 15. *Practice in Writing and Speaking French*. Three hours. Through the year. Elective for all who have passed with credit in French 1, 2, 3.  
Professor JOHNSON.

34, 35, 36. *The French Drama from Corneille to Rostand*, with special study of its classical and romantic sources and influences. Three hours. Through the year. Elective for Juniors and Seniors.  
Professor LANGDON

### Italian

1, 11, 12. *Modern Italian and Dante in the original*. Three hours. Through the year. Elective for Juniors and Seniors.  
Professor LANGDON

### Biblical Literature and History

4. *History and Literature of the Jewish People*. From the Beginning of the Exile to the Maccabean Uprising. Three hours. First Term. Kent's History of the Jewish People.  
Professor FOWLER.

5. *History of New Testament Times*. Study of the life and literature which constitute the background of the New Testament. Three hours. Second Term. Rigg's History of New Testament Times.  
Professor FOWLER.

6. *The Beginnings of Christianity*. Study of the life and teachings of Jesus and the founding of the Christian Church. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors. Rhees' Life of Jesus, Purves' The Apostolic Age.  
Professor FOWLER.

[1. *The Beginnings of Hebrew History*. Three hours. First Term.

2, 3. *Hebrew History and Literature*. From the Settlement in Canaan to the Exile. Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors. Revised Version of the Old Testament and Kent's History of the Hebrew People, Vol. I., II. (sixth edition).]  
Not offered 1901-2.

Professor FOWLER.

Courses 1-6 are especially intended to meet the needs of the general student of Art, History, Social Science and Literature. They aim to give a broad and comprehensive view of the history, literature and teachings of the Bible. Courses 1-3 and 4-6 will be given in alternate years. While they together constitute a unit, individual courses may be elected by students who cannot take the whole.



## Mathematics

1. *Geometry, Solid and Spherical.* Wells' Essentials of Geometry, with original propositions. Five hours. First Term. Required of all candidates for the degrees of Bachelor of Arts and Bachelor of Philosophy.

Professors CLARKE, MANNING and SLOCUM.

3. *Trigonometry, Plane and Spherical.* Wells' New Plane and Spherical Trigonometry. Five hours. Second Term. Required of all candidates for the degrees of Bachelor of Arts and Bachelor of Philosophy.

Professors CLARKE, MANNING and SLOCUM.

2. *Algebra.* Wells' College Algebra. Five hours. Third Term. Required of all candidates for the degrees of Bachelor of Arts and Bachelor of Philosophy.

Professors CLARKE, MANNING and SLOCUM.

9. *Analytic Geometry.* Nichols' Analytic Geometry. Three hours. First Term. Elective for those who have taken Courses 1, 2 and 3.

Professor DAVIS.

10. *Analytic Geometry.* Nichols' Analytic Geometry. Three hours. Second Term. Elective for those who have taken Course 9.

Professor DAVIS.

12. *Differential Calculus.* Rice and Johnson's Differential Calculus. Three hours. Third Term. Elective for those who have taken Courses 9 and 10.

Professor DAVIS.

Through the courtesy of the department and with the consent of the President, students of the Women's College are permitted to attend the advanced classes of the University, on the recommendation of the Dean.

## Astronomy

1, 2, 6. *General Astronomy.* Three hours. Through the year. Elective for Juniors and Seniors who have passed in Mathematics 1, 2, 3.

Fundamental conceptions of the science, methods of professional study, and present state of our knowledge of the heavenly bodies. Young's General Astronomy, lectures and abstracts upon assigned topics.

Professor UPTON.

## Physical Geography

[1w. *Meteorology.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

2w, 3w. *Physical Geography of the Sea and Land.* Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors]. Not offered 1901-02.

Professor SLOCUM.

## Chemistry

1. *Descriptive Chemistry*. Three hours. First Term. Elective for Sophomores.

Non-metals, chemical philosophy. Lectures with experiments, written exercises, individual laboratory work.

Professor APPLETON.

2. *Descriptive Chemistry*. Three hours. Second Term. Elective for Sophomores.

Metals, their metallurgy, chemical compounds, and practical applications; chemical philosophy continued. Methods as in 1.

Professor APPLETON.

3. *Descriptive Chemistry*. Three hours. Third Term. Elective for Sophomores.

Carbon compounds or organic chemistry; chemical philosophy continued. Methods as in 1.

Professor APPLETON.

## Comparative Anatomy

15, 1, 2. *General Anatomy and Physiology*. Four hours. Through the year. Elective for undergraduates.

Six hours of attendance.

Professor GORHAM

Through the courtesy of the department and with the consent of the President students of the Women's College are permitted to elect the other courses in this department, on the recommendation of the Dean.

## Botany

1, 2, 3. *General Morphology, Physiology and Ecology*. Three hours. Through the year. Elective for undergraduates. For Freshmen this is increased to a four hour course.

Six hours of attendance. Comparative study of the seed, the seedling and the mature plant; variations due to environment, etc. Intended especially to train the student to observe and properly interpret the more obvious phenomena of plant life, as well as to furnish the necessary preparation for more advanced work.

Professor BAILEY and Mr. CHAMBERLAIN

## Physical Culture

This department during the coming year will be under the charge of Miss Janet W. Auty, a graduate of Dr. Sargent's training school, and the work will be expanded as fast as the resources of the College allow. At present the Assembly Hall is supplied with light apparatus and furnishes a comfortable temporary gymnasium. Encouragement will

be given to all games and sports. Regular gymnastic exercise will be required as usual, three hours each week, from October to May, of all Freshmen and Sophomores. It will be elective for Juniors and Seniors.

## Courses Preparatory to Teaching

Since the number of elective studies has become larger, students looking forward to the profession of teaching are not infrequently at a loss to know which branches they ought to choose. To aid such students the following groups of courses are suggested.

### FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy.

### SECOND YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
English 1	English 2	English 3
German 1 or French A	German 2 or French B	German 3 or French C
English 16	English 17	English 18

And two of the following electives :

Latin 4	Latin 5	Latin 6
Greek 4	Greek 5	Greek 6
French 34 or 13	French 35 or 14	French 36 or 15
Mathematics 9	Mathematics 10	Mathematics 12
Chemistry 1	Chemistry 2	Chemistry 3
Social Science 12	Political Science 12	Political Economy 12

### THIRD YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Philosophy 2	Philosophy 3	Philosophy 4
History 1	History 2	History 3
English 4	English 5	English 6

And three of the following electives :

Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 2
Physics 1	Physics 2	Physics 32
Social Science 5	Social Science 2	Social Science 4
Philosophy 8	Philosophy 9	Philosophy 10
Education 1	Education 2	Education 3



## FOURTH YEAR

Philosophy 5	Philosophy 23	Philosophy 24
Education 4	Education 5	Philosophy 44
Electives, nine hours	Electives, nine hours	Education 6
		Electives, nine hours

Students should of course select those studies which will be of most assistance in preparing for the particular subjects which they intend to teach, omitting if necessary some of those outlined above. The courses in Education should, however, be taken by all.

The attention of Seniors is called to the following extracts from the agreement between the School Committee of the City of Providence and Brown University respecting the training of teachers.

## STUDENT-TEACHERS IN GENERAL.

(11) All candidates must hold the degree of A. B. or B. P. from a reputable college.

(12) All candidates must be satisfactory to the Superintendent of Public Schools, and to the Professor of Education in Brown University.

(13) Student-teachers shall take the courses in education arranged for them at Brown University. The same shall count as a major for the A. M. degree if the student-teacher desires.

(14) Student-teachers who successfully complete their work in the schools and at the college, shall receive a teacher's diploma from the University. Weakness in discipline or scholarship shall be sufficient cause for withholding the diploma.

(15) In making appointments of regular teachers of the fourth grade, other things being equal, preference shall be given to those who have completed the course in training.

## STUDENT-TEACHERS OF THE FIRST TYPE.

(16) The Committee on High Schools shall appoint each year not less than six student-teachers (three of each sex unless otherwise agreed by the Committee and the Professor of Education).

(17) Such student-teachers shall be appointed by the Committee on High Schools from a list of candidates who fulfill the conditions specified above.

(18) They shall receive pay from the city for their services as teachers at the rate of \$400 per annum, and be subject to the same rules as other teachers, except as to the amount of work. Their work shall be arranged according to the plan now or hereafter adopted by the Committee on High School.

## STUDENT-TEACHERS OF A SECOND TYPE.

(19) Student-teachers of a second type may be appointed; they shall accomplish in the high school at least one hundred and twenty-five

hours of observation, individual instruction, and class teaching, under the supervision of competent teachers, to whom they shall render proper assistance in return for the instruction given.

(20) The mode and method of their work shall be determined by the Superintendent and the Professor of Education.

(21) They shall take the same courses at Brown as the other student-teachers.

(22) They shall not receive any pay from the city for their services.

(23) They shall be appointed by the Professor of Education and confirmed by the Committee on High Schools.

(24) When they have completed their courses and received a teacher's diploma from the University, they shall have the same status before the Committee on High Schools as if they had been student-teachers of the first type.

#### APPOINTMENTS IN THE GRAMMAR AND PRIMARY SCHOOLS.

(25) Graduates of the University, who have successfully pursued a course in psychology and the courses in education offered in the junior and senior years, shall be eligible to appointment in the grammar and primary training schools of the city. Those who successfully complete this course in training shall be eligible to appointment in the grammar and primary schools of the city, or, with the approval of the Superintendent and the Professor of Education, to appointment as student-teachers of the first type. If appointed in the grammar or primary schools they shall have credit for experience which shall entitle them to receive five hundred dollars for the first year of service; and, if transferred to the high schools after one or more years of experience in the grammar or primary schools, such time of service may be counted as if it had been in the high schools.

#### PRACTICE TEACHING FOR SENIORS.

(26) A limited number of seniors taking the course in education at Brown, shall be allowed to observe and teach in the grammar schools in a way similar to that provided for student-teachers of the second type in the high schools.

## Expenses

Students at the Women's College pay the same amount as other students of the University.

*Tuition*, \$105.00 per year.

No deduction in tuition is made on account of absence.

*Incidentals*, \$45.00 per year.

One-half of the tuition and of the incidental expenses are to be paid in advance. The remainder is due January first. Laboratory expenses, etc., are to be paid two weeks before the close of a term.

*Matriculation*: Every member of the Freshman Class pays, upon admission to the College, a matriculation fee of \$5.00.

*Graduation*: Every member of the Senior Class pays at the close of her course a fee of \$8.00 for her diploma and other expenses connected with graduation.

---

*Special Students* at the Women's College are charged \$10.00 per term for each course holding three recitations per week. Laboratory charges are in addition to this.

---

For expenses in connection with the Graduate Department see Brown University Catalogue.

---

All students, graduate or undergraduate, who take the courses specified below, pay the following special sums:

### 1. Chemistry

Students who take Courses 1, 2 or 3 in Chemistry are charged as follows: For Course 1, \$1.00; for Course 2, \$2.00; for Course 3, \$3.00. They also have a special charge for their individual breakage of chemical apparatus. This charge does not ordinarily exceed \$2.00 per term.

Students who take advanced courses in Analytical Chemistry are charged per term, in addition to the regular University dues, the sum of \$10.00 for a three hour course in the Laboratory, and \$20.00 for a six hour course in the Laboratory. In addition, they are charged for their individual breakage of chemical apparatus. This charge does not ordinarily exceed \$3.00 per term.

## **2. Physics**

Students who study in the Physical Laboratory pay, in addition to the regular University dues, a fee of \$5.00 per term.

## **3. Botany**

Students who take Courses 1, 2, 3, 4, 5, 6 in Botany pay, in addition to the regular University dues, a fee of \$3.00 per term.

## **4. Comparative Anatomy**

Students in Comparative Anatomy pay, in addition to the regular dues, a fee of not less than \$2.00 or more than \$5.00 per term for each course.

## **Residence**

Brown University has recently acquired a home for the students of the Women's College. Mrs. Horatio N. Slater has generously presented to the College her family homestead, at 66 Benefit street, and the building has been entirely renovated and refurnished and a third story added to it. About 18 students can be accommodated with rooms and board. The students who live in the "Slater Memorial Homestead" will have in addition certain special advantages that no boarding-house can furnish, such as a genuine college atmosphere, the best of care in case of illness, and medical attendance at reduced rates, and a personal supervision of the social life of the students.

Each student will be charged \$6.00 per week during each term for furnished room and board; and \$2.50 per week for room during the vacations.

Payment for each term must be made in advance. No student will be allowed to take examinations whose term bills remain unpaid. If any student is absent because of illness for more than a month reasonable reduction will be made.

Desirable homes for students may also be obtained in private families.

## **Loan Funds**

The Rhode Island Society for the Collegiate Education of Women has founded a Loan Fund from which students of the Women's College who have completed their first year may borrow small sums on easy terms. This fund is available only for students whose record for scholarship is satisfactory to the committee which administers the loans.

## **College Aid**

The College awards annually from its own funds scholarships of varying amount to students in need of financial aid. These scholarships are given only to students whose college work is creditable, and are withdrawn if their holders become deficient in scholarship or subject in any way to college discipline.

## **Scholarships and Premiums**

The Sarah E. Doyle Scholarship for young women, of one thousand dollars, founded by the lady whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence High School.



The Sarah Sutton Scholarship for young women, of one thousand dollars, founded by one of her eight daughters. The donor reserves the right to nominate candidates for this scholarship for a certain number of years.

The Daniels Scholarship of twenty-five hundred dollars. The income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College adjunct thereto.

The Howard Scholarship of one thousand dollars presented by James Island Howard of Hartford, Conn.

The Joseph Thayer Scholarship of sixty-five hundred dollars. The income to be for the education of any young man *or woman*, who is a resident of the town of Uxbridge, desiring a liberal education.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some worthy student in the Women's College.

The Gaspee Chapter Daughters of the American Revolution prize of forty dollars, offered by the Gaspee Chapter of D. A. R., is to be paid annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The topic for the year 1900-1901 was "The Participation of Rhode Island in the Operations Around Boston, 1775 and 1776." Miss Ruth Appleton was the successful competitor. The topic for the year 1901-1902 is "The Attitude and Course of College Graduates in the Revolution." The essays are to bear each an assumed name, but to be accompanied by an envelope marked with such assumed name and enclosing a sheet of paper with the candidate's real name and address. The essays must be handed to the Dean of the Women's College before May 1, 1902. The award will be announced on Commencement Day, when the topic for the ensuing year will be named.

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. Women candidates successful in first premium contests receive collateral prizes awarded by the Dean.

---

Further information in regard to the work of the Women's College may be secured, and catalogues obtained by addressing the Dean.

THE LIBRARY OF THE  
MAR 24 1931  
UNIVERSITY OF ILLINOIS













C  
B81wzw  
1902/03

# WOMEN'S COLLEGE

IN

## BROWN UNIVERSITY



THE LIBRARY OF THE  
MAY 24 1921  
CHICAGO, ILLINOIS

1902-1903



WOMEN'S COLLEGE  
IN  
BROWN UNIVERSITY  
ANNUAL  
ANNOUNCEMENT  
THE TWELFTH YEAR  
1902-1903



THE LIBRARY OF THE  
MAR 24 1881  
UNIVERSITY OF ILLINOIS

PROVIDENCE, R. I.  
REMINGTON PRINTING CO., 63 WASHINGTON STREET  
1902





# COLLEGE CALENDAR FOR THE ACADEMIC YEAR 1902 - 1903

---

*September 12, 13, 15, 16. Friday, Saturday, Monday and Tuesday.*  
Examinations for admission to the Freshman Class  
and to Advanced Standing.

*September 15, 16. Monday and Tuesday.* Registration of Undergraduate  
Students.

*September 17. Wednesday.* THE ACADEMIC YEAR BEGINS: Chapel  
service in Pembroke Hall, at 8.45 A. M.

*November 27-29. Thursday, Friday and Saturday.* THANKSGIVING  
RECESS.

*December 15-20. Monday to Saturday.* Term Examinations.

*December 22, 1902, to January 1, 1903. Monday to Thursday, inclusive.*  
CHRISTMAS RECESS.

*January 1. Thursday.* Last day for registration of Undergraduate  
Students.

*January 2. Friday.* SECOND TERM BEGINS: 8.45 A. M.

*March 7-13. Saturday to Friday.* Term Examinations.

*March 14-24. Saturday to Tuesday, inclusive.* SPRING RECESS.

*March 24. Tuesday.* Last day for registration of Undergraduate  
Students.

*March 25. Wednesday.* THIRD TERM BEGINS: 8.45 A. M.

*June 4-10. Thursday to Wednesday.* Term Examinations.

*June 17. Wednesday.* COMMENCEMENT.

# OFFICERS OF ADMINISTRATION AND INSTRUCTION

With their Titles in Brown University

---

WILLIAM HERBERT PERRY FAUNCE, D. D., PRESIDENT

ANNIE CROSBY EMERY, PH. D., DEAN OF THE WOMEN'S COLLEGE

EMMA BRADFORD STANTON, A. M., ASSISTANT REGISTRAR

---

BENJAMIN FRANKLIN CLARKE, SC. D.

*Professor of Mechanical Engineering*

JOHN HOWARD APPLETON, SC. D.

*Newport-Rogers Professor of Chemistry*

WILLIAM CAREY POLAND, A. M.

*Professor of the History of Art and Director of the Museum of  
Fine Arts*

NATHANIEL FRENCH DAVIS, LL. D.

*Professor of Pure Mathematics*

WILLIAM WHITMAN BAILEY, LL. D.

*Professor of Botany*

WINSLOW UPTON, A. M.

*Professor of Astronomy and Director of the Ladd Observatory*

\*ALBERT GRANGER HARKNESS, A. M.

*Professor of Roman Literature and History*

COURTNEY LANGDON, A. B.

*Professor of the Romance Languages and Literatures*

GEORGE GRAFTON WILSON, PH. D.

*Professor of Social and Political Science*

---

\*Professor of Latin in the American School of Classical Studies in Rome during the year 1902-1903.

WILFRED HAROLD MUNRO, A. M.

*Professor of European History*

JAMES IRVING MANATT, PH. D., LL. D.

*Professor of Greek Literature and History*

WALTER COCHRANE BRONSON, A. M.

*Professor of English Literature*

WALTER GOODNOW EVERETT, PH. D.

*Professor of Philosophy and of Natural Theology*

ASA CLINTON CROWELL, PH. D.

*Assistant Professor of the Germanic Languages and Literatures*

CARL BARUS, PH. D.

*Hazard Professor of Physics*

FRANCIS GREENLEAF ALLINSON, PH. D.

*David Benedict Professor of Classical Philology*

HENRY PARKER MANNING, PH. D.

*Assistant Professor of Pure Mathematics*

JAMES QUAYLE DEALEY, PH. D.

*Associate Professor of Social and Political Science*

WALTER BALLOU JACOBS, A. M.

*Associate Professor of Pedagogy*

ALBERT DAVIS MEAD, PH. D.

*Professor of Comparative Anatomy*

JOSEPH NICKERSON ASHTON, A. M.

*Associate Professor of Musical History and Theory*

ALBERT KNIGHT POTTER, A. M.

*Associate Professor of the English Language*

ALBERT BUSHNELL JOHNSON, A. M.

*Associate Professor of the Romance Languages*

FREDERICK POOLE GORHAM, A. M.

*Associate Professor of Biology*

RALPH WINFRED TOWER, A. M.

*Associate Professor of Chemical Physiology*

ALEXANDER MEIKLEJOHN, PH. D.

*Assistant Professor of Philosophy and Dean of the University*

JOHN FRANCIS GREENE, A. M.

*Assistant Professor of Roman Literature and History*

FREDERICK SLOCUM, PH. D.

*Assistant Professor of Astronomy*

WILLIAM MACDONALD, PH. D.

*Professor of History*

JOHN EMERY BUCHER, PH. D.

*Associate Professor of Chemistry*

HENRY THATCHER FOWLER, PH. D.

*Professor of Biblical Literature and History*

LINDSAY TODD DAMON, A. B.

*Associate Professor of English*

GEORGE WYLLYS BENEDICT, PH. D.

*Assistant Professor of English*

THOMAS CROSBY, JR., A. M.

*Assistant Professor of English and Public Speaking*

ALLEN H. WILLETT, PH. D.

*Assistant Professor of Political Economy*

HENRY BARRETT HUNTINGTON, A. B.

*Assistant Professor of English*

ALBERT SWIFT MORSE, A. M.

*Instructor in the Romance Languages*

EDWARD EVERETT THOMPSON, A. B.

*Instructor in German*

FRANK WILSON CHENEY HERSEY, A. M.

*Instructor in English*

HENRY JEWETT HALL, A. M.

*Instructor in Psychology*

JANET M. AUTY (Graduate of the Sargent Normal School)

*Instructor in Physical Culture*

#### ADVISORY COUNCIL

MISS SARAH E. DOYLE,

MISS AMELIA S. KNIGHT,

MRS. ELIZA G. RADEKE,

MRS. A. I. C. D. AMES,

MRS. ANNIE HOWE BARUS.

In the Graduate Department of Brown University all courses are open to both men and women, at the same times and places and under the same conditions.

Instruction for undergraduate women is provided for by a department of the University known as the Women's College in Brown University. The aim of this College is to offer to all properly prepared women precisely the same examinations, the same courses of study under the same teachers, the same degrees, the same opportunities in every respect that the University offers to men, but to preserve the distinct social life of a separate college.

The general direction, supervision and government of the Women's College are in the hands of the President. The immediate charge of the Women's College in respect to registration, teaching, government and discipline devolves, subject to the direction of the President, on the Dean. The Advisory Council, appointed under the authority of the Corporation, advises with the President and with the Dean upon matters relating to the Women's College, and makes recommendations to the Advisory and Executive Committee, or to the Corporation.

The instruction in the Women's College is given by the professors and instructors in Brown University. Brown University examinations are open to women only when they are registered in the Women's College or as graduate students.

The Corporation receives gifts of money to found scholarships, fellowships, and professorships in Brown University for the behoof of its women students and for the general purposes of the Women's College, and holds and administers such funds as separate and distinct from the general funds of the University.

# REQUIREMENTS FOR ADMISSION

---

The requirements for admission to the Women's College are identical with those to the University, and the entrance examinations for women are held at the same times and places and under the same conditions as those for men.

## ADMISSION TO THE FRESHMAN CLASS

The regular examinations for admission to the FRESHMAN CLASS take place in Wilson Hall on Friday, Saturday, Monday and Tuesday, September 12, 13, 15 and 16, 1902, beginning at 8 o'clock A. M. on Friday. Candidates must present themselves promptly at the appointed times.

The order of the examinations will be :

### FRIDAY, SEPTEMBER 12

*Algebra*, Wilson Hall 27, 8 A. M. to 10 A. M.

*Geometry*, Wilson Hall 27, 10 A. M. to 12 M.

*Elementary French*, Wilson Hall 2, 1 P. M. to 3 P. M.

*Advanced French*, Wilson Hall 2, 4 P. M. to 6 P. M.

### SATURDAY, SEPTEMBER 13

*Elementary Greek*, Wilson Hall 2, 8 A. M. to 10 A. M.

*Advanced Greek*, Wilson Hall 2, 10 A. M. to 11.30 A. M.

*Latin*, Wilson Hall 25, 12.30 P. M. to 4 P. M.

*English and American History*, Wilson Hall 27, 4 P. M. to 6 P. M.

### MONDAY, SEPTEMBER 15

*English*, Wilson Hall 26, 8 A. M. to 10 A. M.

*Chemistry*, Wilson Hall 2, 11 A. M. to 1 P. M.

*Solid Geometry*, Wilson Hall 27, 2 P. M. to 4 P. M.

*Plane Trigonometry*, Wilson Hall 27, 4 P. M. to 6 P. M.

### TUESDAY, SEPTEMBER 16

*Elementary German*, Wilson Hall 2, 8 A. M. to 10 A. M.

*Advanced German*, Wilson Hall 2, 10 A. M. to 12 M.

*Ancient History*, Wilson Hall 25, 1 P. M. to 3 P. M.

*Physics*, Wilson Hall 1, 4 P. M. to 6 P. M.



Examinations in the above subjects will also be held on Thursday, Friday, Saturday and Monday, June 18, 19, 20 and 22, 1903.

The order of the examinations will be:

#### THURSDAY, JUNE 18

*Algebra*, Wilson Hall 27, 8 A. M. to 10 A. M.

*Plane Geometry*, Wilson Hall 27, 10 A. M. to 12 M.

*Elementary French*, Wilson Hall 2, 1 P. M. to 3 P. M.

*Advanced French*, Wilson Hall 2, 4 P. M. to 6 P. M.

#### FRIDAY, JUNE 19

*Elementary Greek*, Wilson Hall 2, 8 A. M. to 10 A. M.

*Advanced Greek*, Wilson Hall 2, 10 A. M. to 11.30 A. M.

*Latin*, Wilson Hall 25, 12.30 P. M. to 4 P. M.

*English and American History*, Wilson Hall 27, 4 P. M. to 6 P. M.

#### SATURDAY, JUNE 20

*English*, Wilson Hall 26, 8 A. M. to 10 A. M.

*Chemistry*, Wilson Hall 2, 11 A. M. to 1 P. M.

*Solid Geometry*, Wilson Hall 27, 2 P. M. to 4 P. M.

*Plane Trigonometry*, Wilson Hall 27, 4 P. M. to 6 P. M.

#### MONDAY, JUNE 22

*Elementary German*, Wilson Hall 2, 8 A. M. to 10 A. M.

*Advanced German*, Wilson Hall 2, 10 A. M. to 12 M.

*Ancient History*, Wilson Hall 25, 1 P. M. to 3 P. M.

*Physics*, Wilson Hall 1, 4 P. M. to 6 P. M.

If desired, examinations will be appointed in cities remote from Providence. Correspondence on this subject should be addressed to the Registrar of the University, and sent at least four weeks before the time of examinations.

Qualified members of the Freshman Class are matriculated at the beginning of the second term. Till matriculation, all candidates for degrees, however admitted, are regarded as on probation.

Examinations are required in all cases in Advanced French, Advanced German, English and American History, Solid Geometry and Plane Trigonometry, Physics, Chemistry, Physiography and Astronomy. In other subjects students are admitted from certain approved schools upon the recommendation and certification of the principal.

In order to obtain the privilege of certification the principal of the school should make application to the Dean of the University, and should furnish satisfactory evidence that the course of study in the school meets the requirements for admission.

Blank forms for certification may be obtained from the Registrar.

## ADMISSION TO ADVANCED STANDING

Candidates for admission to advanced standing, unless coming from institutions of collegiate rank, are examined in the studies required for entrance to Brown University (unless admitted on certificate, see page 9) and in those already pursued by the class which they desire to enter.

Candidates coming from institutions of collegiate rank will receive due credit for their previous work upon presentation of an official certificate of standing.

Every candidate must present a letter of honorable dismissal from the institution last attended.

Formal application for admission should be made to the Dean of the Women's College, and should be sent, if possible, before August 1st.

The examinations for 1902 will be held on Monday and Tuesday, September 15 and 16. Candidates must report at the Registrar's Office at 9 A. M. on Monday, September 15.

## ADMISSION TO SPECIAL COURSES

The various courses of study in the College are open to mature women of good character who have had the training requisite to pursue them with profit. This privilege is intended for those who wish to take advantage of the instruction offered in special branches without pursuing the full course of study required of candidates for a degree; but all students who can do so are advised to matriculate for a degree.

Students who withdraw from a preparatory school before completing its course of study are not admitted as special students unless the principal of the school cordially approves their admission. Every student must present testimonials of character and ability from the last school or college she has attended unless a long interval has elapsed since she was connected with such institution.

A special student must satisfy the officers of instruction, by examination or otherwise, of her fitness to take the courses desired. She is subject to the same regulations as to attendance and examinations as a candidate for a degree, and must take fifteen hours a week of class-room work, unless for satisfactory reasons she receives a smaller assignment. On leaving the College a special student who desires a formal certificate of her attainments may receive it. No one will be allowed to abuse the privilege here offered by making it a means of securing a merely nominal connection with the College.

# CHANGES IN REQUIREMENTS FOR ADMISSION AND IN THE CURRICULUM

---

## CHANGES IN THE REQUIREMENTS FOR ADMISSION

### I.

#### CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

*These changes go into effect in June, 1902*

1. The requirement in ancient languages is reduced, only one ancient language being required. This language may be either Latin or Greek.

2. The present requirement in Greek is divided into two parts, elementary Greek and advanced Greek, the former of which may be presented without the latter.

3. Students who omit one ancient language or advanced Greek must present substitutes chosen from the following list. Admission in these subjects (except elementary French and German) will be by examination only.

French

German

English and American History

Solid and Spherical Geometry and Plane Trigonometry

Physics

Chemistry

4. The requirements in Greek and Roman history have not been changed, but these two subjects have been combined in a single subject, Ancient History, which must be presented by all candidates without regard to the number of ancient languages presented.

It will be seen that the changes involve a broadening but not an increase in the requirements for admission, and that *the subjects which satisfied the old requirements will also satisfy the new requirements.*

For a detailed statement of requirements, see pages 13, 15, 22.

## II.

CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE  
OF BACHELOR OF PHILOSOPHY*These changes go into effect in June, 1903*

The requirements for admission for candidates for this degree have been materially increased, and are substantially the equivalent of the requirements for admission for candidates for the degree of Bachelor of Arts. The additional work required may be done in the following subjects. In all except Latin, Greek, Elementary French and German, and Ancient History, admission will be by examination only.

Latin

Greek

French

German

Physics

Chemistry

Solid and Spherical Geometry and Plane Trigonometry

Physiography

Astronomy

History

For a detailed statement of requirements, see pages 14-22.

## CHANGES IN THE CURRICULUM

CHANGES WHICH AFFECT CANDIDATES FOR THE DEGREE  
OF BACHELOR OF ARTS

The following changes will affect students entering in June, 1902, and thereafter. Students who present only one ancient language for admission, and who do not take elementary Greek in college, must pursue for two years after entrance the language presented for admission.

Greek may be begun in college.

Rhetoric must be taken in the Freshman year.

The present requirement in Philosophy can be met only by a course of three hours a week for a year.

In addition to the subjects now required, courses in the following subjects, each three hours a week for a year, must be taken at some time during the course :

English Literature

Physical or Natural Science

Political Science, Social Science and Political Economy

For a detailed statement of requirements, see pages 23-25.

# REQUIREMENTS FOR ADMISSION

---

## FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

In Group I all subjects must be presented.

In Group II subjects aggregating 6 points, including at least 3 points in ancient language and at least 1 point in modern language, must be presented.

In Group III one subject may be presented, but students who present no subject in Group III must present subjects aggregating 7 points in Group II.

### GROUP I.

English .....	For amount required see	V, pages 16-17
Ancient History .....	" " " " XIV, 1, "	20-21
Algebra .....	" " " " I, "	15-16
Geometry .....	" " " " II, "	16

### GROUP II.

(Figures indicate the value, in points, assigned to each subject.)

#### *Ancient Language*

Latin (elementary and advanced) 3

For amount required see VIII, IX, page 18

Greek, (elementary)...2 " " " " VI, " 17

Greek, (advanced) ...1 " " " " VII, " 18

#### *Modern Language*

French (elementary).1 " " " " X, pages 18-19

French (advanced)...1 " " " " XI, " 19

German (elementary) 1 " " " " XII, " 19-20

German (advanced)...1 " " " " XIII, " 20

### GROUP III.

English and American History

For amount required see XIV, 2, page 20

Solid Geometry and Plane Trigonometry

For amount required see III, IV, " 16

Physics .....

" " " " XV, " 21

Chemistry.....

" " " " XVI, " 21

## FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

### FOR STUDENTS ENTERING IN 1902

Algebra.....	For amount required see	I,	pages	15-16.
Geometry.....	" " " "	II,	"	16.
History.....	" " " "	XIV, 1 or 2,	"	20-21.
English.....	" " " "	V,	"	16-17.
French or German..	" " " "	X or XII,	"	18-20.
Latin.....	" " " "	VIII and IX,	"	18.

### SUBSTITUTES FOR LATIN

Instead of the requirement in Latin one of the following may be offered by candidates who have pursued a course of study equivalent to that offered in a good high school or academy for graduation.

1. *Minor Requirement in Latin.* Five books of Cæsar or its equivalent in Cicero, Vergil or other standard authors. Students offering this smaller amount of Latin cannot pursue any Latin courses in college.

2. *Greek.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on page 13.

3. *German.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on page 13, *if French also is presented.*

4. *French.* The same requirement as for candidates for the degree of Bachelor of Arts, as stated on page 13, *if German also is presented.*

### FOR STUDENTS ENTERING IN 1903 AND AFTER

#### *Required subjects:*

English.....	For amount required see	V,	pages	16-17.
Algebra.....	" " " "	I,	"	15-16.
Geometry.....	" " " "	II,	"	16.
Ancient History.....	" " " "	XIV, 1,	"	20.

or

English and American History

For amount required see XIV, 2, " 20-21.

In addition to the subjects required, subjects aggregating 7 points must be presented from the following groups.

In Group I, two or more languages are required, aggregating from 3 to 7 points. In Group II, free selection is allowed to complete the 7 points.



## GROUP I.

Latin (elementary) . . . . 2	For amount required see VIII, pages 18.
Latin (advanced) . . . . . 1	" " " " IX, " 18.
Greek (elementary) . . . . 2	" " " " VI, " 17.
Greek (advanced) . . . . . 1	" " " " VII, " 18.
French (elementary) . . . 1	" " " " X, " 18-19.
French (advanced) . . . . 1	" " " " XI, " 19.
German (elementary) . . . 1	" " " " XII, " 19-20.
German (advanced) . . . 1	" " " " XIII, " 20.

## GROUP II.

Physics . . . . . 1	For amount required see XV, pages 21.
Chemistry . . . . . 1	" " " " XVI, " 21.
Solid Geometry and Plane Trigonometry 1	
	For amount required see III, IV, " 15-16.
Physiography . . . . . 1	" " " " XVIII, " 22.
Astronomy . . . . . 1	" " " " XVII, " 21-22.
History (the History not presented as a required subject) 1	
	For amount required see XIV, 1 or 2, " 20-21.

## REQUIREMENTS IN STUDIES WHICH MAY BE PRESENTED FOR ADMISSION TO THE COURSES LEADING TO DEGREES

Certificates will be accepted under the conditions specified on page 9, except in advanced French and German, Chemistry, Physics, Solid Geometry and Plane Trigonometry, English and American History, Physiography and Astronomy. In these subjects admission will be by examination only.

## I.

## ALGEBRA

Through equations of the second degree.

Although candidates are not examined in Arithmetic, a knowledge of its fundamental principles and a careful training in accurate computations with whole numbers and with vulgar and decimal fractions are regarded as essential parts of a preparatory course. Candidates are especially urged not to neglect this subject.

The requirement in Algebra includes the following subjects: factors, common divisors and multiples; fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral powers of the binomial, and the extraction of

roots; putting questions into equations and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees with one or more unknown quantities, and of problems leading to such equations; arithmetical and geometrical progression.

NOTE: It is very important that the student should acquire a thorough knowledge not only of the practice, but also of the reasons involved in the elementary algebraic rules. He should likewise be able to use readily the more important formulæ, as, for example, the quadratic formula.

## II.

### PLANE GEOMETRY

The propositions which are contained in the ordinary treatises, and which are recognized as constituting the elements of Geometry; original propositions and problems in mensuration.

NOTE: Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. They should avoid mere memory work, and should take special care in the proof of a proposition that no lines be drawn unless their construction is proved to be possible.

The school curriculum ought to be so arranged that not a single term, much less a year, shall pass without some time being given to a mathematical subject. For a four-year course an average of two and one-half hours per week during that time will give the best results.

## III.

### SOLID GEOMETRY

The equivalent of Solid and Spherical Geometry as presented in Wells' Geometry, omitting the portion dealing with Regular Polyhedrons.

## IV.

### PLANE TRIGONOMETRY

General formulæ and solution of plane triangles as presented in the first seventy-six pages of Wells' New Plane and Spherical Trigonometry.

## V.

### ENGLISH

The preparation in English should include (1) careful and prolonged training in grammar and composition, (2) thoughtful reading of all the prescribed books and careful study of some of them. It is strongly recommended that the student also do as much supplementary reading as

possible and commit to memory a considerable amount of poetry. The examination is intended to test the candidate's power of clear and accurate expression and his knowledge and appreciation of the literature. A candidate will not be accepted if his writing is seriously defective in spelling, use of capitals, punctuation, grammar, use of words, or structure of sentences and paragraphs, or if it shows insufficient acquaintance with the subject-matter of the prescribed books. As additional evidence of preparation the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work. The examination consists of two parts, which, however, cannot be taken separately:

1. *Reading and Practice.* In this part the candidate must show a good general knowledge of the subject-matter of the books; he should be able to state the leading thoughts of an essay, and to tell the main incidents, sketch the principal characters, and describe striking scenes of a poem or novel. He should also be able to answer simple questions on the lives of the authors.

In 1902 the books for this portion of the examination will be: Shakspeare's Merchant of Venice; Pope's Iliad, books I, VI, XXII and XXIV; the Sir Roger De Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

In 1903, 1904 and 1905 they will be: Shakspeare's Merchant of Venice and Julius Cæsar; the Sir Roger De Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

2. *Study and Practice.* This part requires careful and detailed study of the works named below. The examination covers subject-matter, logical structure, and literary form. Questions are asked about the style, the verse, the structure of the plots, the motives and development of the characters, the meaning of words and allusions, and (in the case of essays and speeches) the logical structure of the whole.

In 1902, 1903, 1904 and 1905 the books for this portion of the examination will be: Shakspeare's Macbeth; Milton's Lycidas, Comus, L'Allegro and Il Penseroso; Burke's Speech on Conciliation with America; Macaulay's Essay on Milton and Addison.

## VI.

### ELEMENTARY GREEK

1. Xenophon's Anabasis I, II, III, IV, regard being had not only to language but to subject-matter as well. 2. Grammar: a familiar knowledge of inflection, word formation, and ordinary syntax. 3. Composition: the first twenty-five exercises of Jones' Composition or Allinson's Composition as far as Part III, or Collar and Daniell's entire, or other equivalent preparation in writing connected Greek prose.

## VII.

## ADVANCED GREEK

Three books of Homer, or *Anabasis* v, vi, vii, or *Anabasis* v and *Hellenica* i and ii. Students will also be expected to show proficiency in the grammar and composition noted in the elementary requirement.

## VIII.

## ELEMENTARY LATIN

1. Cæsar. Gallic War, books i-iv, or books i-iii and Sallust's *Catiline*, with questions on the forms, constructions and subject-matter.
2. Cicero. The Oration against *Catiline* and the Oration for *Archias*, with questions on the grammar and subject-matter.
3. Ovid. Twenty-five hundred lines, with questions on the subject-matter and prosody.
4. Translation at sight of ordinary passages from Cæsar and Cicero, with questions on the ordinary forms and constructions.
5. Translation into Latin of simple English sentences.

## IX.

## ADVANCED LATIN

1. Includes 1, 2, 3 mentioned under Elementary Latin.
2. Vergil. *Æneid*, books i-vi, or books i-v and the *Eclogues*, with questions on the construction, subject-matter and prosody.
3. Translation at sight of prose and verse, with questions on the construction, subject-matter and prosody.
4. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose.

## X.

## ELEMENTARY FRENCH

1. Proficiency in elementary French grammar, implying, especially, familiarity with the following topics: inflection of nouns and adjectives in gender and number; the pronominal adjectives; the use of pronouns, especially the forms and positions of personal pronouns; the partitive constructions; the inflection of the regular verbs and of the more usual irregular verbs, such as *dire*, *faire*, and the classes represented by *ouvrir*, *sentir*, *venir*, *paraître*, *conduire* and *craindre*.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work depends. Mastery of Whitney's *Brief French Grammar* will be regarded as sufficient.

2. Ability to translate simple prose at sight.

NOTE: It is believed that the required facility can be gained by reading, concurrently with the grammar work, from two hundred to four hundred duodecimo pages, of at least three dissimilar works. Care should be taken not to read works assigned in the University courses.

3. Ability to pronounce French and to recognize French words and simple phrases when spoken.

NOTE: It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the French texts used in the class-room.

## XI.

### ADVANCED FRENCH

1. The translation at sight of standard French into good, idiomatic English.

2. The translation into French of a connected passage of English prose, to test the candidate's familiarity with grammar. Proficiency in grammar may also be tested by direct questions.

3. The writing of French from dictation.

Candidates will be expected to show a thorough knowledge of accidence, and familiarity with the essentials of French syntax, especially the uses of tenses, modes, prepositions and conjunctions.

The work to be done should comprise the reading of from four hundred to six hundred pages of ordinary French, including the amount read for elementary requirement; constant practice in giving French paraphrases, abstracts or reproduction from memory of selected portions read; the study of a grammar of moderate completeness; writing from dictation.

## XII.

### ELEMENTARY GERMAN

1. Proficiency in elementary German grammar, implying, especially, familiarity with the following topics: declension of such nouns as are readily classified and of adjectives and pronouns; conjugation of weak verbs and of the more usual strong verbs; the commoner prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word order.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work depends. Mastery of Whitney's Brief German Grammar will be regarded as sufficient.

2. Ability to translate a passage of simple prose at sight, when a vocabulary of the less usual words is furnished.

NOTE: It is believed that the required facility can be gained by reading, concurrently with the grammar work, two hundred duodecimo pages of easy German, chiefly narrative prose, with a few lyric poems. Care should be taken not to read works assigned in the University courses.



3. Ability to pronounce German and to recognize German words and simple phrases when spoken.

NOTE: It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the German texts used in the class-room.

### XIII.

#### ADVANCED GERMAN

In addition to the minor requirements:

1. Ability to translate at sight ordinary German into good, idiomatic English, the passages for translation being suited to the proficiency of those who have read not less than five hundred pages of classical prose and verse.

2. Examinations are held upon Lessing's *Minna von Barnhelm* and *Emilia Galotti*, Schiller's *Jungfrau von Orleans* and *Maria Stuart* or *Wilhelm Tell*; Goethe's *Iphigenie auf Tauris* and *Egmont* or *Goetz von Berlichingen*. Buchheim's editions should be used as far as possible.

3. Ability to discuss the main facts in the life and activity of each of these authors and to discuss the characters and the development of thought in each piece.

4. Ability to read every text intelligently in the original. Such proficiency can, of course, be acquired only by constant oral practice in the class-room.

### XIV.

#### HISTORY

Either of the two following groups, each including two fields of historical study:

1. Greek and Roman history. (a) Greek history to the death of Alexander, with due reference to Greek life, literature and art. (b) Roman history to the end of the reign of Marcus Aurelius, with due reference to literature and government.

2. English and American history. (a) English History, with due reference to social and political development. (b) American History, with the elements of civil government.

For preparation in each of the two historical fields included in (1) and (2), a course of study equivalent to at least three lessons a week for one year will be necessary, or five lessons a week for one year for the two fields together.

The candidates will be expected to show such general knowledge of each field as may be acquired from the study of an accurate modern text-book of not less than three hundred pages, supplemented by not less than three hundred pages of suitable parallel readings.



The following text-books will indicate the kind and extent of preparation, other than that obtained through the parallel readings, which the candidate should possess :

Greek history. Botsford's History of Greece or Oman's History of Greece.

Roman history. Botsford's History of Rome or Pelham's History of Rome.

English history. Either Coman and Kendall's History of England or Larned's History of England.

American history. Either Montgomery's Student's American History or Johnston's High School History of the United States.

Suitable equivalents will be accepted for the foregoing text-books.

## XV.

### PHYSICS

The equivalent of Hall & Bergen's text-book of Physics, together with an approved laboratory course of a least forty experiments.

## XVI.

### CHEMISTRY

Candidates will be expected to have a good knowledge of the non-metals and their principal combinations, the metals and their principal salts, the more important topics of chemical philosophy, chemical nomenclature and notation, and the ordinary methods of stoichiometry. Candidates should have personally performed 100 simple chemical experiments (those in Appleton's Young Chemist are mentioned as illustrations, but equivalents will be accepted). Each candidate is expected to submit his manuscript notes, or reports of his work. It is supposed that a course accomplishing the preparation above outlined will require an amount of time equivalent to three hours a week for one school year.

## XVII.

### ASTRONOMY

Class instruction is assumed for the equivalent of three hours a week for a school year in the elementary principles of the science, including observations of the heavens with reference to the positions and movements of the heavenly bodies. The following are the chief topics to be studied.

The Celestial Sphere: designation of the directions of a heavenly body.

The Earth: its axial rotation; time, latitude, longitude; its orbital revolution; precession, aberration, the seasons, equation of time, the calendar.

The Moon: its axial rotation, orbital motion, librations, phases, surface features, physical condition; lunar and solar eclipses.

The Sun : its rotation, physical characteristics, light and heat.

The Planets : apparent and real motions, individual characteristics.

The Law of Gravitation : its control of the solar system ; the tides.

Comets and Meteors.

The Stars : designation, classification by constellations, motions, distance, brightness, variables.

Stellar Systems : clusters, nebulae ; the stellar universe, cosmogony.

## XVIII.

### PHYSIOGRAPHY

Class instruction is assumed for the equivalent of three hours a week for a school year in the elementary principles of the science. It includes the following subjects :

The Earth as a member of the solar system.

The Atmosphere : its nature, temperature, pressure, moisture and precipitation, circulation, storms, weather, climate.

The Oceans : form and general characteristics, life within the oceans, waves, currents, tides.

The Lands : distribution, structure, processes of denudation and reconstruction and the resulting topographic features such as plains, plateaus, mountains, valleys, hills, volcanoes.

Life on the Earth : influence of nature on man, influence of man on nature.

# UNDERGRADUATE COURSES ARRANGED ACCORDING TO YEARS AND TERMS

## FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

*Except those entering in 1902 and after*

### PRESCRIBED COURSES

#### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Mathematics 1	Mathematics 3	Mathematics 2
Gymnasium	Gymnasium	Gymnasium

#### SOPHOMORE YEAR

English 1	English 2	English 3
German 1 or French A	German 2 or French B	German 3 or French C
Gymnasium	Gymnasium	Gymnasium
Electives, nine hours	Electives, nine hours	Electives, nine hours

#### JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, fifteen
Electives, †twelve hours	Electives, twelve hours	hours

#### SENIOR YEAR

The work of the Senior year consists entirely of elective studies, fifteen hours a week.

*For Students Entering in 1902 and after*

Candidates are required to take certain studies before the completion of the course, as shown in the following tabulation. It is advisable that the required studies be completed as soon as possible in order to allow more time for elective work during the latter part of the course.

\*Students who pursue French 1, 2, 3 during the Freshman year must take German during the Sophomore year; those who pursue German 4, 6, 8 during the Freshman year must take French during the Sophomore year.

†Every candidate for the degree of Bachelor of Arts must take before graduation some one complete course in Philosophy.

*Ancient Language* (either Latin or Greek or both). Six hours.

At least three hours must be taken in the Freshman year, and the whole six hours must be completed by the end of the Sophomore year.

*Modern Language* (either French or German or both). Six hours.

At least three hours must be taken in the Freshman year, and the whole six hours must be completed by the end of the Sophomore year.

If only one language is presented for admission the elementary course in the language not presented must be taken.

Languages in which elementary work only is presented for admission must be continued. If elementary work only is presented in one language that language must be continued in the Freshman year. If elementary work only is presented in both languages the continuation of one of these may be postponed to the Sophomore year.

Subject to the above restrictions a student may take the six hours required wholly in French, wholly in German, or three hours in each, choosing any courses for which he is fitted by his previous work.

*Mathematics*. Freshman year. Four hours.

Those who present Solid and Spherical Geometry and Plane Trigonometry must take Mathematics five hours per week during the Freshman year. This includes the courses now numbered Mathematics 4, 5, 6, 7, 9, 10, and 12. Students taking these courses will be enabled to begin work in sciences requiring Mathematics one year earlier than other students.

*Rhetoric* (elementary). Freshman year. Three hours.

*Rhetoric* (argumentation). Junior year. One hour.

*European History*. Three hours.

First and second terms either in the Sophomore or Junior year.

*English Literature*. Three hours.

Sophomore, Junior or Senior year.

*Physical or Natural Science*, a continuous course throughout the year. Three hours.

Freshman, Sophomore or Junior year.

*Political Science, Social Science, and Political Economy*. Three hours.

Sophomore, Junior or Senior year.

*Philosophy*. Three hours.

Sophomore, Junior or Senior year.

## FRESHMAN YEAR

### I. *Required Studies*:

Ancient Language (Latin or Greek). Three hours.

Modern Language (French or German). Three hours.

\*Mathematics. Four or five hours.

Rhetoric. Three hours.

\*Five hours for students presenting Solid and Spherical Geometry and Plane Trigonometry for entrance.

II. *Elective Studies*, one may be chosen.

Latin (advanced). Three hours.

Greek (elementary or advanced). Three hours.

French (elementary or advanced). Three hours.

German (elementary or advanced). Three hours.

History of Greek and Roman Life and Institutions. Three hours.

Physical or Natural Science, a continuous course throughout the year. Three hours.

### SOPHOMORE YEAR

I. Required studies which must be completed by the end of the Sophomore year.

That portion of the required work in ancient and modern languages not completed in the Freshman year.

II. Other required and elective studies sufficient with studies taken under I. to make fifteen hours per week.

### JUNIOR YEAR

I. Required studies which must be completed by the end of the Junior year.

Rhetoric (argumentation). One hour.

The required History and Physical or Natural Science, if not previously taken.

II. Other required and elective studies sufficient with studies taken under I. to make sixteen hours per week.

### SENIOR YEAR

I. All required studies not previously taken.

II. Elective studies sufficient with studies taken under I. to make fifteen hours per week.

## FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

*For Students now in the College and for those entering in 1902*

### PRESCRIBED COURSES

#### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
English 1	English 2	English 3
Gymnasium	Gymnasium	Gymnasium

\*See note, page 23.

and one of the following :

Botany 1	Botany 2	Botany 3
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 35

#### SOPHOMORE YEAR

German 1 or French A Gymnasium	German 2 or French B Gymnasium	German 3 or French C Gymnasium
Electives, twelve hrs.	Electives, twelve hrs.	Electives, twelve hrs.

#### JUNIOR YEAR

English 4	English 5	English 6
History 1	History 2	Electives, 15 hrs.
Electives, * twelve hrs.	Electives, twelve hrs.	

#### SENIOR YEAR

The work of the Senior year consists entirely of elective studies, fifteen hours a week.

\*Every candidate for the degree of Bachelor of Philosophy must take before graduation some one complete course in Philosophy.

## FOR CANDIDATES FOR BOTH DEGREES

### ELECTIVE COURSES

#### FIRST TERM

Philosophy 2 Jr. Sr.	History of Art 7 Jr.	French 4 So. Jr. Sr.
Philosophy 5 Jr. Sr.	Sr.	French 37 Jr.
Philosophy 8 Jr. Sr.	History of Art 14 Jr.	Comparative Literature 1 Sr.
Education 1 Jr. Sr.	Sr.	Biblical Literature 1
Education 4 Sr.	Drawing 2 Fr. So. Jr.	So. Jr. Sr.
History 18 Jr. Sr.	Sr.	Mathematics 9 So. Jr.
History 22 or 25 Jr. Sr.	Music 1 So. Jr. Sr.	Sr.
Political Science 12 So.	Greek 4 So.	Mathematics 13 Jr. Sr.
Jr. Sr.	Greek 16 Jr. Sr.	Mathematics 15 Sr.
Political Science 4 Jr.	Greek 34 Sr.	Mathematics 21 Sr.
Sr.	Greek Life Fr. So.	Mathematics 27 Sr.
Political Economy 1	Latin 4 So. Jr. Sr.	Astronomy 1 So. Jr.
Jr. Sr.	English 16 So. Jr. Sr.	Sr.
Political Economy 6	English 46 Jr. Sr.	Physical Geography 1
Jr. Sr.	English 55 Jr. Sr.	So. Jr. Sr.
Political Economy 6a	German 4 So. Jr. Sr.	Physics 1 So. Jr. Sr.
Jr. Sr.	German 40 So. Jr. Sr.	Physics 5 Jr. Sr.
Political Economy 15	German 46 Jr. Sr.	Physics 29 Jr. Sr.
Jr. Sr.	German 16 Jr. Sr.	Chemistry 1 So.
Political Economy 15a	German 43 Jr. Sr.	Chemistry 4 Jr.
Jr. Sr.	German 52 Jr. Sr.	



Geology 1 Sr.  
Geology 5 Sr.  
Comparative Anatomy  
15 Fr. So. Jr. Sr.  
Comparative Anatomy  
2 So. Jr. Sr.  
Comparative Anatomy  
16 Jr. Sr.

Comparative Anatomy  
19 Jr. Sr.  
Household Economics,  
Minor 1 Fr. So. Jr.  
Sr.  
Household Economics,  
Minor 2 So. Jr. Sr.

Household Economics,  
Major 1 Jr. Sr.  
Household Economics,  
Major 2 Jr. Sr.  
Botany 1 Fr. So. Jr.  
Sr.  
Botany 7 So. Jr. Sr.

## SECOND TERM

Philosophy 3 Jr. Sr.  
Philosophy 23 Jr. Sr.  
Philosophy 9 Jr. Sr.  
Education 2 Jr. Sr.  
Education 5 Sr.  
History 11 Jr. Sr.  
History 23 or 26 Jr. Sr.  
Social Science 12 So.  
Jr. Sr.  
Political Science 15 Jr.  
Sr.  
Political Economy 2  
Jr. Sr.  
Political Economy 7  
Jr. Sr.  
Political Economy 7a  
Jr. Sr.  
Political Economy 16  
Jr. Sr.  
Political Economy 16a  
Jr. Sr.  
History of Art 9 Jr. Sr.  
History of Art 15 Jr. Sr.  
Drawing 3 Fr. So. Jr.  
Sr.  
Music 2 So. Jr. Sr.  
Indo-European  
Philology 1 Jr. Sr.

Greek 5 So.  
Greek 17 So. Jr. Sr.  
Greek 35 Sr.  
Latin 5 So. Jr. Sr.  
English 17 So. Jr. Sr.  
English 47 Jr. Sr.  
English 56 Jr. Sr.  
German 6 So. Jr. Sr.  
German 41 So. Jr. Sr.  
German 47 Jr. Sr.  
German 17 Jr. Sr.  
German 44 Jr. Sr.  
German 53 Jr. Sr.  
French 5 So. Jr. Sr.  
French 38 Jr.  
Comparative Literature  
2 Sr.  
Biblical Literature 2  
So. Jr. Sr.  
Mathematics 10 So. Jr.  
Sr.  
Mathematics 14 Jr. Sr.  
Mathematics 16 Sr.  
Mathematics 22 Sr.  
Mathematics 28 Sr.  
Astronomy 2 So. Jr. Sr.  
Physical Geography 2  
So. Jr. Sr.

Physics 32 So. Jr. Sr.  
Physics 9 Jr. Sr.  
Physics 20 Sr.  
Physics 30 Jr. Sr.  
Chemistry 2 So.  
Chemistry 5 Jr.  
Zoölogy 1 Jr. Sr.  
Geology 2 Sr.  
Comparative Anatomy  
1 Fr. So. Jr. Sr.  
Comparative Anatomy  
17 Jr. Sr.  
Comparative Anatomy  
20 Jr. Sr.  
Comparative Anatomy  
9 Jr. Sr.  
Household Economics,  
Minor 1 Fr. So. Jr.  
Sr.  
Household Economics,  
Minor 2 So. Jr. Sr.  
Household Economics,  
Major 1 Jr. Sr.  
Household Economics,  
Major 2 Jr. Sr.  
Botany 2 Fr. So. Jr. Sr.  
Botany 12 So. Jr. Sr.

## THIRD TERM

Philosophy 4 Jr. Sr.  
Philosophy 24 Jr. Sr.  
Philosophy 10 Jr. Sr.  
Philosophy 44 Sr.  
Education 3 Jr. Sr.  
Education 6 Sr.  
History 16 Jr. Sr.  
History 32 Jr. Sr.  
History 24 or 27 Jr. Sr.  
Political Economy 12  
So. Jr. Sr.  
Political Science 2 Jr.  
Sr.  
Political Economy 3  
Jr. Sr.  
Political Economy 8  
Jr. Sr.

Political Economy 18  
Jr. Sr.  
History of Art 8 Jr. Sr.  
History of Art 16 Jr.  
Sr.  
Drawing 4 Fr. So. Jr.  
Sr.  
Music 3 So. Jr. Sr.  
Greek 6 So.  
Greek 18 So. Jr. Sr.  
Greek 36 Sr.  
Latin 6 So. Jr. Sr.  
English 18 So. Jr. Sr.  
English 48 Jr. Sr.  
English 57 Jr. Sr.  
German 8 So. Jr. Sr.  
German 42 So. Jr. Sr.

German 48 Jr. Sr.  
German 18 Jr. Sr.  
German 45 Jr. Sr.  
German 54 Jr. Sr.  
French 6 So. Jr. Sr.  
French 39 Jr.  
Comparative Literature  
3 Sr.  
Biblical Literature 3  
So. Jr. Sr.  
Mathematics 11 So. Jr.  
Sr.  
Mathematics 12 So. Jr.  
Sr.  
Mathematics 31 Jr. Sr.  
Mathematics 17 Sr.  
Mathematics 23 Sr.



Mathematics 29 Sr.	Zoölogy 3 Jr. Sr.	Household Economics,
Astronomy 6 So. Jr.	Zoölogy 9 Sr.	Minor 1 Fr. So. Jr.
Sr.	Anthropology 1 Sr.	Sr.
Physical Geography 3	Comparative Anatomy	Household Economics,
So. Jr. Sr.	35 Fr. So. Jr. Sr.	Minor 2, So. Jr. Sr.
Physics 4 So. Jr. Sr.	Comparative Anatomy	Household Economics,
Physics 10 Jr. Sr.	30 Jr. Sr.	Major 1 Jr. Sr.
Physics 21 Sr.	Comparative Anatomy	Household Economics,
Physics 31 Jr. Sr.	18 Jr. Sr.	Major 2 Jr. Sr.
Chemistry 3 So.	Comparative Anatomy	Botany 3 Fr. So. Jr. Sr.
Chemistry 6 Jr.	21 Jr. Sr.	Botany 9 So. Jr. Sr.

## COURSES OF INSTRUCTION ARRANGED ACCORDING TO DEPARTMENTS

The courses which are marked with an asterisk are given at the University, but students of the Women's College are admitted to them on the recommendation of the Dean. Women may also be admitted to other University courses not announced here, with the special permission of the department, and with the consent of the Dean.

### PHILOSOPHY

NOTE: Some one complete course in this department is required of every candidate for a degree. By a complete course is understood all that is grouped together as a three-hour course under a single name in the accompanying announcements, whether it consists of one term's work or of several. The courses in Education cannot be taken to satisfy this requirement.

2, 3, 4. *Psychology*. General Synthetic Course. Three hours. Through the year. Elective for Juniors and Seniors.

Mr. HALL

5, 23. *Theoretical Ethics*. Three hours. First and Second Terms. Elective for Juniors and Seniors.

Intended to aid in mastering the fundamental problems of life and character. First Term, a discussion of the nature and relations of ethics and an outline of the history of the chief ethical systems; Second Term, a critical study of the fundamental concepts of ethics with the aim of constructing a tenable theory of conduct.

24. *Philosophy of Religion*. Three hours. Third Term. Elective for Juniors and Seniors who have had previous philosophical training.

An investigation of the ultimate grounds of religious belief.

Professor EVERETT

\*8. *History of Greek Philosophy*. Three hours. First Term.

\*9. *History of Mediæval and Early Modern Philosophy*. Three hours. Second Term.

\*10. *History of Recent and Contemporary Philosophy*. Three hours. Third Term. Elective for Juniors and Seniors.

The successive philosophical systems in their dialectical developments and mutual relations; treatment not merely analytic and historical, but synthetic and constructive as well.

Professor EVERETT

44. *Practical Ethics*. Three hours. Third Term. Elective for Seniors.

President FAUNCE

## EDUCATION

1. *History of Educational Theories and Institutions.* Three hours. First Term. Elective for Juniors and Seniors.

Education among the Greeks and the Romans; the rise and constitution of Universities; Erasmus and the Humanists; Comenius and the Realists; Rousseau and the Naturalists; Psychologizing Education, Pestalozzi, Froebel, Herbart.

2. *A Critical Study of Modern Education.* Three hours. Second Term. Elective for Juniors and Seniors.

3. *The Fundamental Principles of Education.* Three hours. Third Term. Elective for Juniors and Seniors.

The meaning and aim of education; the sequence and coördination of studies; the principles of instruction as derived from psychology; apperception; the steps in method; the use of the type in instruction; the training of the will and principles of moral education.

Professor JACOBS

4. *The Psychology of Education.* Three hours. First Term. Elective for Seniors.

The principles of psychology applied to method in education and instruction.

5. *Practical Introduction to Teaching.* Three hours. Second Term. Elective for Seniors.

Organization of school systems; management and discipline of classes; observation of good teaching; practical applications in method.

6. *The Hygiene of Education.* Three hours. Third Term. Elective for Seniors.

The hygiene of growth; play and fatigue; eyesight and hearing; school diseases; school architecture; warming, ventilating and lighting; sanitation; school furniture; school programmes.

Professor JACOBS

NOTE: Courses 1, 2 and 3 treat of education in its relation to the individual, and to the social and political whole, and hence are of interest to all students, whether they intend to teach or not. At the same time they form a proper and necessary introduction to the courses which follow. It is recommended that those who intend to teach elect these courses during the Junior year.

NOTE: *Teachers' Certificates.* The above courses, 1-6, cover the requirements in education for certificates of the First Grade in all States except where practice teaching or experience is demanded. In Rhode Island the holding of a certificate is required of all teachers in schools supported in whole or in part by public money. Certificates of the First

Grade are granted without examination to those who have completed the above courses and hold a college degree. Due credit is also given for separate courses.

NOTE: Those who have completed courses 1-6 and hold a college degree are eligible to appointment in the Primary and Grammar Training Schools of Providence, under especially favorable conditions, and also to places as Student Teachers in the Providence High Schools.

## HISTORY

### EUROPEAN HISTORY

1. *General Mediæval History of Europe*. Three hours. First Term. Required of all Juniors.

2. *General Modern History of Europe*. Three hours. Second Term. Required of all Juniors.

Professor MUNRO

NOTE: In Courses 1 and 2 a text-book is used, mainly as a syllabus. Daily lectures supplement this work. Reports on assigned topics are required from all students. The other courses in European History are lecture courses.

15. [*Islam and the Crusades*. Three hours. First Term. Elective for Juniors and Seniors.] Not offered in 1902-03.

18. *Spanish History*. Three hours. First Term. Elective for Juniors and Seniors.

3. [*The Period of the Reformation*. Three hours. Second Term. Elective for Juniors and Seniors.] Not offered in 1902-03.

11. *The Period of the Renaissance*. Three hours. Second Term. Elective for Juniors and Seniors.

16. *The French Revolution*. Three hours. Third Term. Elective for Juniors and Seniors.

Professor MUNRO

32. *Europe since 1815*. Three hours. Third Term. Elective for Juniors and Seniors.

Professor MUNRO

\*The Seminary in European History, conducted by Professor Munro, and limited to a small number of advanced students, holds meetings devoted to the discussion of topics previously assigned.

### ENGLISH AND AMERICAN HISTORY

[*English Constitutional History to 1689*. Three hours a week. Through the year. Elective for Juniors and Seniors.] Not offered in 1902-03.

Professor MACDONALD

In 1902-03 one of the two following courses will be given :

22, 23, 24. *English Constitutional and Political History since 1689.* Three hours a week. Through the year. Elective for Juniors and Seniors.

Particular attention will be paid to foreign relations, the growth of cabinet government, and social and economic events in the nineteenth century.

Professor MACDONALD

25, 26, 27. *American History to 1787.* Three hours a week. Through the year. Elective for Juniors and Seniors.

The course deals especially with the colonial policies of European States, the growth of colonial government and administration, and the causes and events of the Revolution.

Professor MACDONALD

[*Constitutional and Political History of the United States since 1787.* Three hours a week. Through the year. Elective for Juniors and Seniors.] Not offered in 1902-03.

Professor MACDONALD

\*14. *Research Course in American History.* One hour a week. Through the year. Elective for Graduates and qualified Seniors.

The subject in 1902-03 is the administration of Andrew Jackson. This course counts as a three-hour course throughout the year.

Professor MACDONALD

## SOCIAL AND POLITICAL SCIENCE

12. *Political Science. Elementary Course.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Professor DEALEY

12. *Social Science. Elementary Course.* Three hours. Second Term. Elective for Sophomores, Juniors and Seniors who have passed in Political Science 12.

Professor WILSON

12. *Political Economy. Elementary Course.* Three hours. Third Term. Elective for Sophomores, Juniors and Seniors who have passed in Political Science 12 and Social Science 12.

Dr. WILLETT

*The above subjects constitute a single course, introductory to advanced work in Social and Political Science and Political Economy. Sophomores who intend to pursue such work in the future must elect this course in 1902-03.*

4. *United States Constitutions.* Three hours. First Term.

National and local constitutions and institutions.

15. *Municipal Functions and Administration.* Three hours. Second Term.

With special reference to municipal government in the United States.

2. *Comparative Study of Constitutions.* Three hours. Third Term.  
With special reference to the constitutions of Germany, France,  
Great Britain and Switzerland.

Professor DEALEY

- [5. *Development of Social Theory.* Three hours. First Term.  
Elective for Juniors and Seniors.]

Tracing important theories, ancient and modern, in regard to social conditions and development.

- [2. *Social Problems and Conditions.* Three hours. Second Term.  
Elective for Juniors and Seniors.]

- [4. *Social Philosophy.* Three hours. Third Term. Elective for  
Juniors and Seniors.]

Professor DEALEY

The courses in brackets will be omitted in 1902-03, and offered in 1903-04.

## POLITICAL ECONOMY

NOTE: *The courses in this department are open only to those students who have passed in Social Science 12 (first term), Political Science 12 (second Term), and Political Economy 12 (third term), which together constitute a single course introductory to the departments of Social and Political Science and Political Economy.*

- 1, 2, 3. *General Economics.* Three hours. Through the year.  
Elective for Juniors, Seniors and Graduates who have passed in 12. This is a continuous course, new students not being admitted in the second and third terms.

The first term is devoted to a discussion of the development and results of the more important elements in the existing form of industrial organization. The following are among the topics treated:

The independence and responsibility of the individual, private property, freedom in the choice of industry, freedom of exchange and contract, competition, speculation, capitalistic control of industry, the tendency to industrial combination, money and credit.

The second term is devoted to a discussion of the principles governing the distribution of wealth under the existing form of economic organization.

The third term is devoted to a brief discussion of some of the more important economic problems, such as the tariff; the regulation of the conditions of employment, particularly regulations affecting hours of labor, and the employment of women and children; trade unions; arbitration and conciliation; co-operation and profit sharing; socialism; the single tax; the railway problem; governmental ownership and management of monopolies; and the regulation of industrial combinations.

Dr. WILLETT



\*6, 7. *Money and Banking.* Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

With special reference to the history of money and banking in the United States.

Professor GARDNER

\*6a, 7a. Three hours. First and Second Terms. To be taken only in connection with 6 and 7. See note after 18.

Professor GARDNER and Dr. WILLETT

\*15. *The Labor Movement.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

With special reference to Trade Unions.

Dr. WILLETT

\*15a. Three hours. First Term. To be taken only in connection with 15. See note after 18.

Professor GARDNER and Dr. WILLETT

\*16. *Industrial Corporations, their history, significance and regulation.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Special attention given to railways and other quasi-public corporations and to the recent tendency to industrial combinations.

Professor GARDNER

\*16a. Three hours. Second Term. To be taken only in connection with 16. See note after 18.

Professor GARDNER and Dr. WILLETT

\*8. *Industrial Life in the United States.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

A study of the existing organization of industry and recent industrial developments in this country.

Professor GARDNER

\*18. *History of Economic Thought.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Dr. WILLETT

NOTE: In Connection with Courses 6, 7, 15, 16, students will be permitted to take additional work principally of the nature of the statistical investigation of special problems and the formulation of results in diagrams. This additional work will require six hours of attendance, as in laboratory courses, and will count for three hours. These additional courses are designated 6a, 7a, 15a, 16a respectively.

With the exception of 1, 2 and 3, which will be given every year, some or all of the above courses will be omitted in 1902-03 and their places filled by other courses.

## HISTORY OF ART

7. *Art of the Seventeenth and Eighteenth Centuries.* Three hours. First Term. Elective for Juniors and Seniors who have passed in Course 6 (Art of the Renaissance).



9. *Art of the Nineteenth Century*. Three hours. Second Term. Elective for Juniors and Seniors who have passed in Course 7.

8. *Theory and Criticism of the Fine Arts*. Three hours. Third Term. Elective for Juniors and Seniors who have passed in any course in the History of Art.

Professor POLAND

14, 15, 16. *Practical Work in Art supplementary to the History of Art*. Three hours. Through the year. Elective for students who have passed in History of Art 1, 4, 6, and who have also passed in Drawing 2, 3, 4. [The requirement of passing in Drawing 2, 3, 4 will be waived during the academic year 1902-1903].

Six hours of drawing or other practical work, to illustrate the principles of delineation, color and chiaroscuro, and the principles of design in architecture, sculpture and painting, as exemplified in the historic forms of art.

This course will be given at the RHODE ISLAND SCHOOL OF DESIGN.

The department of Fine Arts also calls attention to the following important course given at the RHODE ISLAND SCHOOL OF DESIGN under the department of Drawing. This is the course named above (under 14, 15, 16), as Drawing 2, 3, 4.

2, 3, 4. *Freehand Drawing*. One hour. Through the year. Elective for all candidates for degrees.

Two hours of drawing. Extensive use of models.

Courses 14, 15, 16 in the department of Fine Arts are supplementary to the historical and theoretical work done at Brown University. In their general character they may be regarded as what are called "laboratory courses" in other departments of the college. Their purpose is to train students to the better appreciation of the works of art studied in the historical and theoretical courses. It is not the purpose of these courses to prepare the students who take them for the practice of art, although the work done in them will be thoroughly scientific and helpful to any persons who expect to devote themselves to art as a profession.

Drawing 2, 3, 4 faithfully pursued cannot fail to be practically useful to a student in any department in which graphic illustration has any place. Further, it may be urged that no student ought to neglect to gain some practical understanding and control of one of the most venerable and universal means of expression used by the human race. As compared with drawing, alphabetic writing is limited and modern.

In 1903-4 Courses 1, 4 and 6 will be offered, and Courses 7, 9 and 8 will not be offered. Those who wish to obtain the six courses (1, 4, 6, 7, 9, 8) must begin with electing Courses 1, 4 and 6 in the Junior year.

The text-books in Course 7 are Poland's Notes and Questions on the History of Art in the Seventeenth and Eighteenth Centuries and Goodyear's Renaissance and Modern Art. Students must have their text-books at the opening of the term, and no excuse based on a failure to obtain a text-book will be accepted after the lectures begin.

## MUSIC

In 1902-03 one of the two following courses will be given :

1, 2, 3. *Harmony*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

First Term, the construction and connection of chords, the writing of exercises; Second Term, modulation, non-harmonic notes, harmonization of melodies; Third Term, analysis of harmony in compositions by the best writers, the study of melody, the writing of compositions.

Professor ASHTON

14. *Musical Introduction*. Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

A general course which considers such of the elements of music and the principles of musical composition as will enable the student to listen to music with intelligent interest and genuine profit.

15a, 15b. *Music and Musicians of the Eighteenth and Nineteenth Centuries*. Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.

A general course, the aim of which is to acquaint the student with the life, works and style of Bach, Mozart, Beethoven, Schubert, Schumann, Mendelssohn, Wagner and other famous composers of these centuries.

Professor ASHTON

## INDO-EUROPEAN PHILOLOGY

1. *General Introduction to the Study of Language*. Three hours. Second Term. Elective for Juniors and Seniors.

Outline of the history of language. The Indo-European family. Adapted for students of ancient or modern languages.

Professor ALLINSON

## GREEK LITERATURE AND HISTORY

\*A, B, C. *Elementary*. Four hours. Through the year.

For the benefit of those who have been prevented from obtaining Greek before entering college. Aims to cover, with mature students, as much as possible of the entrance requirements in Greek. It is hoped that earnest and mature students will be able to make such progress, during the academic year, in reading Xenophon that they will be able, by private study during the following long vacation, to

complete four books of the *Anabasis* before the beginning of the next academic year. They might then take up with the Freshman class the reading of the regular prose Greek, and, by additional study, complete before the following spring term the entrance requirements in Homer, and thus be enabled to continue with the Freshman class in Homer also.

1. *Lysias*. Three hours. First Term. Required of candidates for the degree of Bachelor of Arts.\*

Select orations.

Dean EMERY

2. *Plato*. Three hours. Second Term. Required of candidates for the degree of Bachelor of Arts.\*

Apology and Crito.

Dean EMERY

3. *Homer*. Three hours. Required of candidates for the degree of Bachelor of Arts.\*

The *Odyssey*, four books, rapid reading of other books; lectures on the life of the Heroic Age as revealed in the poems and illustrated by recent archæological research.

Professor MANATT

4. *Herodotus*. Three hours. First Term. Elective for Sophomores.

Professor MANATT

5. *Euripides*. *Iphigenia in Tauris*, and *Alcestis*. Three hours. Second Term. Elective for Sophomores.

Professor MANATT

6. *Lucian*. Three hours. Third Term. Elective for Sophomores.

Professor ALLINSON

16. *Æschylus and Plato*. *Agamemnon*, and *Republic*, Book X. Three hours. First Term. Elective for Juniors and Seniors.

Professor ALLINSON

17. *Plato or Lucian*. Selections from either author, not previously read. Three hours. Second Term. Elective for Juniors and Seniors.

Professor ALLINSON

18. *The Drama*. Plays not previously read. Three hours. Third Term. Elective for Juniors and Seniors.

Dean EMERY

*Greek Life*. A study of the Private and Public Life of the Greeks in the light of their literature and monuments. Syllabus, lectures and prescribed reading, with frequent reports, written tests, and a thesis. Elective for Freshmen and Sophomores. Three hours. First Term. (The course does not require a knowledge of Greek or Latin).

Professor MANATT

---

\*See page 24.

\*34, 35, 36. *Greek Seminary*. One two-hour session weekly. Through the year. Elective for Graduates and approved Seniors.

First Term, (b) Greek and Latin Grammar.

Second Term, (a) Pindar's Olympian and Pythian Odes.

Third Term, (a) Minor Dialogues of Plato, or (b) Bacchylides.

Professor MANATT (a) and Professor ALLINSON (b)

## ROMAN LITERATURE AND HISTORY

1. *Livy*. Early Roman History. Four hours. First Term. Required of candidates for the degree of Bachelor of Arts.\*

2. *Cicero*. Letters. Cicero and his times. Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts.\*

3. *Tacitus*. Germania and Agricola. History of the Early Empire. Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts.\*

Professor GREENE

In 1902-03 the following courses will be elective for Juniors and Seniors as well as for Sophomores:

4. *Horace*. Odes and Epodes. Three hours. First Term.

5. *Horace*. Satires and Epistles. Three hours. Second Term.

6. *Catullus, Tibullus and Propertius*. Three hours. Third Term.

Dean EMERY

## ENGLISH LITERATURE AND LANGUAGE

NOTE: No course can be begun in the second or third term without special permission from the instructor.

1, 2, 3. *Rhetoric and Composition*. Three hours. Through the year. Required of all Freshmen, and of all Sophomores who have not taken the subject in the Freshman year.

Professor BENEDICT and Mr. HERSEY

4, 5, 6. *Argumentative Composition*. One hour. Through the year. Required of all Juniors. Prerequisite, 2, 3.

The class will meet twice a week at first, but the total number of sessions will not exceed the usual number in a one-hour course.

Professor DAMON

16, 17, 18. *English Literature, introductory*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

Professor BRONSON

46, 47, 48. *English Literature from 1660 to 1798*. Three hours. Through the year. Elective for students who have passed in 16, 17, 18. Not to be offered in 1903-04.

Rapid reading in the greater essayists, novelists and poets, with some attention to lesser writers. Lectures on the life of the times, the restoration drama, the development of the essay and the novel, and the beginnings of romanticism. Special papers on selected topics.

Professor HUNTINGTON

---

\*See page 24.

55, 56, 57. *English Literature from 1832, the Poets.* Three hours. Through the year. Elective for students who passed in 16, 17, 18. Not to be offered in 1903-04.

First and second terms, Tennyson and Browning; third term, Mrs. Browning, Arnold, Swinburne, Rossetti, Morris, and others.

Professor CROSBY

## GERMANIC LANGUAGES AND LITERATURE

### GERMAN

1, 2, 3. *Introductory Course.* Three hours. Through the year. Required of all Sophomores not presenting German for admission.

Reading at the outset; grammar; dictation. Selections in prose and poetry from standard authors.

Mr. THOMPSON

4, 6, 8. *The Drama of the Classic Period.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3. Required of all presenting Elementary German for admission, and of all who are to take advanced courses.

Lessing, Schiller, Goethe. Two dramas of each author with discussion of the life of each. Frequent written translations. The course is an introduction to German Literature, and is recommended for the general student.

Professor CROWELL

40, 41, 42. *German Composition.* One hour. Through the year. Elective only for students pursuing the regular courses of the second or third year in German, and for those who have passed in 48.

Professor CROWELL

46, 47, 48. *Goethe's Faust, Parts I and II.* Three hours. Through the year. Elective for students who have passed in 8.

Lectures, reports, frequent written translations.

Professor CROWELL

\*16, 17, 18. *German Literature.* Three hours. Through the year. Elective for students who have passed in 48.

The principal literary movements in Germany from the earliest times to the present. Lectures, reports on assigned topics, extended reading. Subject for 1902-03: A general view of German Literature from the fourth to the nineteenth century.

Professor CROWELL

\*43, 44, 45. *Advanced Composition.* One hour. Through the year. Elective for students who have passed in 42 and who are pursuing or have completed third year courses.

Original themes.

Professor JONAS



\*52, 53, 54. *German Poetry*. Three hours. Through the year. Elective for students who have passed in 48. To be omitted 1903-04.

Comparative study of representative epics (first term), lyrics (second term), ballads (third term).

Professor JONAS

## ROMANCE LANGUAGES AND LITERATURE

### FRENCH

A, B, C. *Elementary Course*. Grammar, composition and the reading of easy selections in modern French. Three hours. Through the year. The equivalent of the Elementary French required for admission. Required of all Sophomores who offer for admission German instead of French.

Mr. MORSE

1, 2, 3. *Modern French*. Rapid translation, composition and dictations. Three hours. Through the year. Required of Freshmen.

Professor JOHNSON

4, 5, 6. *Literature*. Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

First term, special study of Hugo's *Quatre-Vingt-Treize*. Second Term, Balzac's *Eugénie Grandet*, Zola's *La Débâcle*. Third Term, Augier's *Fils de Giboyer*, Rostand's *L'Aiglon*. Weekly reports (in French) of outside reading. The works assigned for outside reading are: Crane's *Tableaux de la Révolution française*, Harper's *Contes de Balzac*, Sarcey's *Siège de Paris*, Dumas' *Question d'Argent*, and Rostand's *Cyrano de Bergerac*.

Professor JOHNSON

37, 38, 39. *The French Drama*. Three hours. Through the year. Elective for Juniors who have passed creditably in French 1, 2, 3.

From Corneille to Rostand, with special study of its classical and romantic sources and influences.

Professor LANGDON

### COMPARATIVE LITERATURE

1, 2, 3. *Dante in English*. Three hours. Through the year. Elective for Seniors.

A study of the whole of the *Divina Commedia* in English in the light of modern thought, and in connection with the great world-poems, *Job*, the *Iliad-Odyssey*, the *Æneid*, *Hamlet*, *Paradise Lost*, *Faust*, and *The Ring and the Book*. An introduction to a study of comparative literature, by means of the best available translations. A survey of the greatest monuments of literature from the point of view of the most universal and central of all. Intended especially, though not exclusively, for students who, not having time for the study of many literatures in the original, yet desire acquaintance with what is best in the poetic culture of the world.

Professor LANGDON

## BIBLICAL LITERATURE AND HISTORY

1. *The Beginnings of Hebrew History*. Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Study of ancient Semitic and Egyptian history, civilization and religions that constitute the background of primitive Hebrew life and thought, interpretation of the prophetic and priestly narratives of the book of Genesis, and reconstruction of the outlines of early Hebrew history in the light of the testimony of monuments and primitive Hebrew traditions. Revised version of the Old Testament and Kent's History of the Hebrew People, volume I.

2. *Hebrew History and Literature. The United Kingdom*. Three hours. Second Term. Elective for Sophomores, Juniors and Seniors.

Investigation of the political, social and religious life and development of the Hebrew people, from their settlement in Canaan to the division of the kingdom, special attention being given to the growth of institutions. Revised version of the Old Testament and Kent's History of the Hebrew People, volume I.

3. *Hebrew History and Literature. The Divided Kingdom*. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors.

Study of the history of the Hebrews between 937 and 586, B. C., in connection with the great political movements which affected the nations of southwestern Asia, investigation of the contents, peculiarities and aim of the Old Testament books which belong to the period, and interpretation of the character and work of the great Hebrew prophets in the light of their age. Revised version of the Old Testament and Kent's History of the Hebrew People, volume II.

Professor FOWLER

- [4. *History and Literature of the Jewish People*. From the Beginning of the Exile to the Maccabean Uprising. Three hours. First Term. Kent's History of the Jewish People.

- [5. *History of New Testament Times*. Study of the life and literature which constitute the background of the New Testament. Three hours. Second Term. Rigg's History of New Testament Times.

- [6. *The Beginnings of Christianity*. Study of the life and teachings of Jesus and the founding of the Christian Church. Three hours. Third Term. Elective for Sophomores, Juniors and Seniors.]

Not offered in 1902-3.

Professor FOWLER

## PURE MATHEMATICS

3. *Algebra*. Four hours. First Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who do not present Solid Geometry and Plane Trigonometry for admission.

Professors MANNING and SLOCUM



1. *Geometry, Solid and Spherical.* Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who do not present Solid Geometry and Plane Trigonometry for admission.

Professors CLARKE and SLOCUM

2. *Trigonometry.* Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who do not present Solid Geometry and Plane Trigonometry for admission.

Professors MANNING and SLOCUM

\*4. *Spherical Trigonometry.* One hour. First Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who present Solid Geometry and Plane Trigonometry for admission.

Professor DAVIS

\*5, 6, 7. *Algebra.* One hour. First Term. Two hours. Second and Third Terms. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who present Solid Geometry and Plane Trigonometry for admission.

Professors DAVIS and SLOCUM and Mr. PUSSIER

9, 10. *Analytic Geometry.* Three hours. First and Second Terms. Elective for students who have passed in 3, 1 and 2. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who present Solid Geometry and Plane Trigonometry for admission.

Professor DAVIS

\*11. *Modern Methods of Analytic Geometry.* Three hours. Third Term. Elective for students who have passed in 10.

Professor MANNING

\*[30. *Solid Analytic Geometry.* Three hours. Third Term. Elective for students who have passed in 10.] Not offered in 1902-03.

12. *Differential Calculus.* Three hours. Third Term. Elective for students who have passed in 10; required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who present Solid Geometry and Plane Trigonometry for admission.

Professor DAVIS

\*13. *Integral Calculus.* Three hours. First Term. Elective for students who have passed in 12.

\*14. *Applications of the Differential Calculus.* Three hours. Second Term. Elective for students who have passed in 12 and 13.

\*31. *Applications of the Integral Calculus.* Three hours. Third Term. Elective for students who have passed in 13.

Professor DAVIS

\*15, 16, 17. *Differential Equations.* Three hours. Through the year. Elective for students who have passed in 13.

Professor MANNING

\*21, 22, 23. *Theory of Functions*. Three hours. Through the year. Elective for approved Seniors.

Professor MANNING

\*27, 28, 29. *Advanced Algebra*. Three hours. Through the year. Elective for approved Seniors.

Including substitutions and Galois' theory of equations.

Professor MANNING

\*[32, 33, 34. *Quaternions, Non-Euclidean Geometry and Hyper-Space*. Three hours. Through the year. Elective for approved Seniors.] Not offered in 1902-03.

Professor MANNING

## ASTRONOMY

1, 2, 6. *General Astronomy*. Three hours. Through the year. Elective for Sophomores, Juniors and Seniors who have passed in Mathematics 1, 2, 3.

Fundamental conceptions of the science, methods of professional study, and present state of our knowledge of the heavenly bodies. Young's General Astronomy, lectures and abstracts upon assigned topics.

Professor UPTON

## PHYSICAL GEOGRAPHY

1w. *Meteorology*. Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

2w, 3w. *Physical Geography of the Sea and Land*. Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.

Professor SLOCUM

## PHYSICS

1, 32, 4. *Elementary Physics*. Three hours. Through the year. Elective for Sophomores, Juniors, Seniors, and others who have passed in Mathematics 1, 2, 3.

First Term, kinematics and dynamics; Second Term, optics; Third Term, electricity. Daniell's Principles of Physics, lectures illustrated by experiments and the lantern. Weekly written exercises corrected in detail by the instructors. Designed for those who have had little previous training in physics; presupposes only a good knowledge of elementary mathematics. The entire course is a unit, setting forth the principles of modern physics. It is sufficiently broad to be a commentary upon whatever preliminary training in physics the student may have had, and to serve as a theoretical introduction to the professional courses.

Professor BARUS

\*5, 9, 10. *Physical Measurements*. Three hours. Through the year. Elective for students who have passed in 1, 32, 4, or equivalent preliminary courses.

One lecture hour and four hours in the laboratory. Elementary theory and practice of physical manipulation. Each student is required to present a neat and comprehensive report of each experiment performed and to solve such problems as may be from time to time assigned.

Professor PALMER

\*20, 21. *Harmonic Analysis*. Three hours. Second and Third Terms. Elective for Seniors and Graduates who have passed in 1, 32, 4, or equivalent preliminary courses, and Mathematics 14, 15.

Importance of Fourier's method shown by examples taken from the analytical theory of heat, from elastics, alternating electricity, and elsewhere; treatment by the aid of spherical harmonics, Bessel functions and Lamé functions.

Professor BARUS

\*29, 30, 31. *Physics, advanced*. Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have passed in Mathematics 12, 13 and 14.

Lectures on dynamics, potential, elastics, hydrostatics, hydrodynamics, viscosity, capillarity, electrostatics, magnetism, electromagnetism, thermo-electrics, induction, Fresnel's optics, the electromagnetic theory of light, thermal analytics and thermo-dynamics. Completed in two years. Alternating if desirable with 20, 21.

Professor BARUS

## CHEMISTRY

1. *Descriptive Chemistry*. Three hours. First Term. Elective for Sophomores.

Non-metals, chemical philosophy. Lectures with experiments, written exercises, individual laboratory work.

2. *Descriptive Chemistry*. Three hours. Second Term. Elective for Sophomores.

Metals, their metallurgy, chemical compounds, and practical applications; chemical philosophy continued. Methods as in 1.

3. *Descriptive Chemistry*. Three hours. Third Term. Elective for Sophomores.

Carbon compounds or organic chemistry; chemical philosophy continued. Methods as in 1.

Professor BUCHER

\*4. *Qualitative Analysis*. Three hours. First Term. Elective for Juniors.

Six hours of attendance. A study of the properties of the metallic elements, together with their separation from certain of their compounds. Laboratory work, accompanied by recitations in qualitative analysis and in chemical philosophy, and exercises in stoichiometry.

\*5. *Qualitative Analysis, Continued.* Three hours. Second Term Elective for Juniors.

Six hours of attendance. A study of the principal non-metals and the acids formed by them, as well as of the methods of separation and recognition of acids and acid radicles.

\*6. *Quantitative Analysis.* Three hours. Third Term. Elective for Juniors.

Six hours of attendance. Study of quantitative precipitations and separations of the most important elements and compounds; a somewhat thorough review of the principles upon which quantitative apparatus is constructed, including the theory of the chemical balance, the merits of the different systems of weights and measures, the use of burettes, graduated flasks, etc.; studies in chemical philosophy and stoichiometry continued. Chiefly laboratory work.

Professor APPLETON and Mr. DUBOIS

## ZOÖLOGY, GEOLOGY AND ANTHROPOLOGY

### ZOÖLOGY

\*1. *General Course on Invertebrate Animals.* Three hours. Second Term. Elective for Juniors and Seniors.

\*3. *Organic Evolution.* Three hours. Third Term. Elective for Juniors and Seniors.

Primary and secondary factors of evolution; relation of animals to the world around them; variation of species; zoögeography; effects of light, changes of temperature, food, climate; effects of isolation; kinetogenesis or dynamical evolution; mimicry; heredity; views held by different schools of evolutionists. Lectures and demonstrations.

Professor PACKARD

### GEOLOGY

\*1. *Physical Geology.* Three hours. First Term. Elective for Seniors.

\*5. *Structural and Stratigraphic Geology.* Three hours. First Term. Elective for Seniors.

Six hours of attendance. Field and laboratory work.

\*2. *Historical Geology, including Paleontology.* Three hours. Second Term. Elective for Seniors, or those who have taken Geology 1, 5, and Zoölogy 1, 2.

Lectures, text-book and laboratory work.

Professor PACKARD

\*9. *Paleontology.* Three hours. Third Term. Elective for those who have taken Geology 1, 2.

Professor PACKARD

## ANTHROPOLOGY

- \*1. *General Course*. Three hours. Third Term. Elective for Seniors.

The principles of ethnology, ethnography and prehistoric archaeology; man as related to other primates, origin of man, prehistoric races, language and race, writing, arts of life, amusements, primitive culture, including folk-lore, myths, primitive religious cults and primitive society. Lectures illustrated by bone, stone and bronze relics of the prehistoric races of Europe, Asia and Africa, by American stone and bone implements, by collections from New England shell heaps, and by lantern views illustrating the fossil races of man and his art-remains in the Old World.

Professor PACKARD

## COMPARATIVE ANATOMY

- 15, 1, 35. *General Anatomy and Physiology*. Four hours. Through the year. Elective for Undergraduates.

Six hours of attendance. For general students as well as for those who expect to pursue other courses in the department. By means of laboratory work in gross and minute anatomy and physiology, it introduces the student to scientific methods, to the structure and function of the human body, and to the general principles of biology.

Professors TOWER and GORHAM

- \*2. *Invertebrate Dissection*. Three hours. First Term. Elective for students who have passed in 15 and 35.

Six hours of attendance. Practical laboratory course on the comparative anatomy of the lower animals.

Professor MEAD and DR. WILLIAMS

- \*[31, 32, 33. *Comparative Embryology*. Three hours. Through the year. Elective for Juniors and Seniors who have passed with credit in 3, 4, or 16, 17, 30.

Six hours of attendance. Designed to give a general idea of the principles of embryological development, such as are involved in the phenomena of fertilization and cleavage of the egg, metamorphosis, organ formation, etc.] Not offered in 1902-03.

Professor MEAD

NOTE: This course alternates with 16, 17, 30.

- \*16, 17, 30. *Anatomy of the Nervous System*. Three hours. Through the year. Elective for Juniors and Seniors who have passed with credit in 3, 4, or 31, 32, 33.

Six hours of attendance. Intended to acquaint the student with the gross anatomy and the microscopic structure of the nervous system in vertebrates, especially in man. Attention to the phylogeny, embryology and physiology of the nervous system and to special nerve-methods in micro-technique.

Professor MEAD



\*18, 19, 20, 21. *Physiology*. Three hours. Third, First, Second and Third Terms. Elective for Juniors and Seniors who have taken Chemistry 2.

Six hours of attendance. Third Term, the chemistry of the proteids, carbohydrates and fats; First Term, the chemistry of salivary, gastric and pancreatic digestions, and the blood and the bile; Second Term, the qualitative and quantitative analysis of certain constituents of the animal body; Third Term, physical physiology.

Professor TOWER

\*9. *Bacteriology*. Three hours. Second Term. Elective for Juniors and Seniors who have passed in 10.

Six hours of attendance. Preparation and microscopic study of bacteria, the preparation of culture media, isolation, systematic study and determination of unknown species, qualitative and quantitative biological examination of water, milk, air and soil; methods of determining pathogenic properties of bacteria; methods of sterilization and disinfection; special work on pathogenic forms.

Professor GORHAM

## HOUSEHOLD ECONOMICS

The instruction in this course is intended to give the students, as a means of liberal culture, a comprehensive view of the conditions underlying health, comfort and disease in the community, in the household and in the individual. The arrangement of the course in the form of a minor and major provides for its completion in either two or four years of three hours' credit per week.

MINOR COURSE: This course is open to all students, and is divided as follows:

### FIRST YEAR

*General Anatomy and Physiology*. Three terms. See Comparative Anatomy 15, 1, 35.

Professors TOWER and GORHAM

### SECOND YEAR

The work of this year is elective for students who have completed the courses in General Anatomy or Physiology, or in Introductory Biology; or, in 1902-03, for students taking General Anatomy and Physiology.

First Term:

*General Bacteriology*. Including laboratory work. Special attention will be given to bacteria encountered in municipal and household sanitation and in personal hygiene.

Professors TOWER and GORHAM

Second Term:

*Municipal Sanitation*. Lectures and demonstrations.

*House Architecture and Sanitation.* Lectures on location, foundation, building plans and arrangements, heating, ventilation and plumbing; visits to buildings, etc.

*Food.* Lectures on the nutritive values and money values of food, with demonstrations.

*Care of the Sick.* Lectures and demonstrations.

*Care of Common Diseases.* Emergencies, bandaging; demonstrations at the Rhode Island Hospital.

The lectures of the Second Term will be given by specialists of reputation and authority.

### Third Term :

*Pathological and Normal Histology.* Study of disease and its effects on the normal tissues of the body. Laboratory course.

Dr. FULTON, Rhode Island Hospital

MAJOR COURSE : This course is open to students who have completed the Minor Course, and have also completed a year's course in Chemistry. It is divided as follows :

### THIRD YEAR

#### *Advanced Physiology.*

First Term. Food composition and digestion.

Second Term. Urine Analysis.

Third Term. General Physiology.

Professor TOWER

### FOURTH YEAR

#### *Embryology.*

First Term. Phenomena relating to the structure and early development of the egg, origin of the embryo, theories of development and inheritance.

Second and Third Terms. The origin and development of tissues and organs.

## BOTANY

1, 2, 3. *General Morphology, Physiology and Ecology.* Three hours. Through the year. Elective for Undergraduates. For Freshmen this is increased to a four-hour course by assignment of extra work.

Six hours of attendance. Comparative study of the seed, the seedling and the mature plant; variations due to environment; experiments in plant physiology, etc. Intended especially to train the student to observe and properly interpret the more obvious phenomena of plant life, as well as to furnish the necessary preparation for more advanced work.

Professor BAILEY and Mr. COLLINS



\*7. *Lower Cryptogams*. Three hours. First Term. Elective for students who have passed in 3.

Six hours of attendance. Comparative study of the structure and development of types of the algæ and lower fungi; collection and classification.

Mr. COLLINS

\*12. *Higher Cryptogams*. Three hours. Second Term. Elective for students who have passed in 7.

Six hours of attendance. Structure, development and classification of the hepaticæ, mosses, ferns, horse-tails and club-mosses.

Professor BAILEY and Mr. COLLINS

\*9. *Mycology*. Three hours. Third Term. Elective for students who have passed the required examinations.

Six hours of attendance. Structure, development, collection, preservation and classification of edible, poisonous and other economic fungi; plant diseases.

Mr. COLLINS

NOTE: 7, 12, 9 alternates with 4, 5, 14.

\*[4, 5. *Histology and Physiology*. Three hours. First and Second Terms. Elective for students who have passed in 1, 2, 3.

Six hours of attendance. Structure and physiology of vegetable cells, tissues and organs; embryology; micro-technique.

Mr. COLLINS

\*14. *Medical Botany*. Three hours. Third Term. Elective for students who have passed in 5.

Five hours of attendance. Systematic study of the more important medical plants and their constituents; location, characteristics and methods of extraction of the commoner drugs.] Not offered in 1902-03.

Professor BAILEY and Mr. COLLINS

## SUGGESTIONS FOR A COURSE PREPARATORY TO TEACHING.

Proper preparation for teaching requires (1) a general preparation which shall make possible a broad view of the field, so that the general subject-matter of each department of instruction may be clearly defined; (2) special preparation in those subjects which it is the purpose to teach; (3) the pursuit of those studies which make plain the aim, means and method of education in general, and of instruction in special subjects in particular.

### *I. General Preparation:*

Every teacher should have knowledge of at least the elements of the fundamental subjects of instruction.

Latin { Greek } English French German Mathematics History  
Physics Chemistry Biology

### *II. Special Preparation:*

Any subject may be chosen. However, as teachers are usually required to teach, or at least be prepared to teach, in more than one subject, if there is specialization in any subject in the following groups, the other subject or subjects in that group should receive special attention.

1.	{ Latin Greek }	2.	{ French German }	3.	{ History English }
4.	{ Physics Chemistry Mathematics }	5.	{ Botany Comparative Anatomy Geography }		

Unless one has marked tastes or ability in definite directions, an early or rigid specialization is unwise. In such cases close specialization should be left until after the first degree has been taken.

### *III. Theory and Practice of Education:*

Psychology Junior

Education Junior

Education Senior

### *IV. Graduate Course:*

*The Graduate Course* in Education is arranged for those who wish a more thorough preparation for their work than the above suggestions offer, and constitutes a major course for the degree of Master of Arts. It is recommended that the subject in which the candidate proposes to give instruction as a teacher be chosen for a minor.

**NOTE:** Student-Teachers. By special arrangement with the School Committee of the City of Providence, student-teachers are appointed to places in the Providence High Schools. Appointments are made from members of the Senior class who have pursued undergraduate courses in Education. These student-teachers are of two types. Those of the first type—of whom there are at least six (three of each sex)—under the guidance and direction of experienced teachers, have the control and conduct of classes. The time required each day is somewhat more than half the usual school session. They receive from the city \$400 for their services for the year. Those of the second type are occupied in a similar way for from three to five hours a week. They receive no remuneration from the city. An unusual opportunity is thus afforded student-teachers to gain a thorough knowledge of the theory of education and at the same time practical experience in the art of teaching. In making appointments to places as teachers of the lowest grade in the Providence High School, preference is given to those who have successfully accomplished the course as student-teachers. In this respect student-teachers of the second type have the same status before the committee that makes appointments as those of the first type.

# ATTENDANCE, EXAMINATIONS AND REPORTS

## REGISTRATION AND ATTENDANCE

All undergraduate students who desire to attend the College during a given term are required to register at the Dean's office before the first day of such term. Every undergraduate student registered or re-registered on or after the first day of any term is charged for such registration or re-registration a fee of three dollars, to be remitted only by the Dean, and only on presentation of a substantial excuse for the lateness or the change. Any modification of a registration once made is accounted a re-registration.

Each student is expected to attend the daily chapel service and also every exercise in the several studies to which he is assigned.

## EXAMINATIONS AND STANDING

Except in laboratory, seminary and similar work, all classes are examined at the close of each term.

A student is not admitted to examination in a study in which her term work is unsatisfactory to the officer of instruction or from which she has been absent one-half of the time assigned to the study.

The standing of students is indicated by letters as follows :

*H* is assigned to those whose work has been exceptionally good.

*C* is assigned to those who have passed with credit.

*P* is assigned to those who have passed in the subject, but deserve no higher recognition.

*F* is assigned to those whose work during the term has been so unsatisfactory that in the opinion of the instructor

they should not be allowed an examination, or to those whose examination has been so unsatisfactory that it should, in the opinion of the instructor, constitute a failure without regard to the work of the term, or to those who in the combined work of the term and the examination have failed to pass in the subject.

*I* is assigned to those whose work is incomplete, but satisfactory so far as done.

*Abs* is assigned to those who are absent from examination, unless *F* has already been assigned.

A student who receives the mark *F* must pursue the subject again with a succeeding class, or if the instructor allows, under a tutor appointed by the head of the department; or, if the failure is in an elective course, she may take as a substitute some other course approved by the Committee on Admission to Advanced Standing.

Examinations other than those regularly appointed are not held except in case of (1) candidates for advanced standing whose examinations are authorized by the Committee on Advanced Standing; (2) students detained from the regular examination whose absences have been excused; (3) students who have been allowed to pursue, under appointed tutors, studies in which they have failed at a regular examination.

A student who wishes to take a special examination must obtain from the Registrar of the University a written authorization, for which she shall pay a fee of \$2, unless this is remitted by the President or the Dean of the Women's College, and must then arrange with the officer of instruction for the examination.

A student who at the close of a term has failed in three or more studies, counting for more than eight hours of work a week, cannot be again registered without special action of the Faculty.

## REPORTS OF ATTENDANCE AND PROFICIENCY

A careful record is kept of the attendance of every student of the College, and of her proficiency in her several studies. The standing of every undergraduate student is determined at the close of each term. A report is sent to the parent or guardian of every undergraduate student containing the record of all absences from required exercises, indicating her standing in each of her studies for the term, and announcing her deficiency in any study or studies if such deficiency exists.

## EXPENSES

Students at the Women's College pay the same amount as other students of the University.

*Tuition*, \$105 a year.

No deduction in tuition is made on account of absence.

*Incidentals*, \$45 a year.

The incidental expenses are for the printing of programs, examination papers and the like, the use of the library, heat for the halls and recitation rooms, and the wages of servants to care for the same.

One-half of the tuition and of the incidental expenses are to be paid in advance. The remainder is due January 1st. Laboratory expenses, etc., are to be paid two weeks before the close of a term.

*Matriculation*: Every member of the Freshman Class pays, upon admission to the University, a matriculation fee of \$5.

*Graduation*: Every member of the Senior Class pays at the close of her course a fee of \$8 for her diploma and other expenses connected with graduation.

*Special Students* at the Women's College are charged \$10 per term for each course holding three recitations per week. Laboratory charges are in addition to this.



## SPECIAL LABORATORY DUES

All students who take the courses specified below pay the following special sums :

### CHEMISTRY

Students who take Courses 1, 2 or 3 are charged \$3 a term, in addition to the regular charges for tuition.

Students who take advanced courses in analytical chemistry are charged \$5 a term for a three-hour course, and \$10 for a six-hour course, in addition to the regular charges for tuition.

The above fees include the use of common chemicals, but students are charged for breakage and special chemicals.

### PHYSICS

Students who take courses in the physical laboratory pay \$5 a term for a three-hour course (six hours attendance).

### BOTANY

Students who take courses in Botany pay \$3 a term.

### COMPARATIVE ANATOMY

The charge for a laboratory course varies from \$2 to \$5.

## RESIDENCE

The College owns one dormitory, the Slater Memorial Homestead, which contains for the accomodation of students four double rooms and nine single rooms. All the rooms are well furnished. One of the single rooms, on the second floor, is unusually large, and for it and board the charge is \$8.25 a week. Two of the single rooms, on the third floor, are very small, and for each of them and board the charge is \$5.25 a week. For all the other single rooms, and for half of each double room, together with board, the charge is \$6.25 a week. Students are charged with room rent, but not with board during the vacations which occur in the academic



year. The rate is \$2.50 a week for the majority of the rooms; \$4.50 and \$1.75 for the special rooms mentioned above. Payment for each term must be made in advance.

Laundry work is done in the house at a moderate price.

It is possible for students to obtain rooms very near the Slater Memorial Homestead and take their meals at the dormitory.

Desirable homes for students may also be obtained in private families. Lodgings, with or without board, may be secured on consultation with the Dean.

## LOAN FUNDS

The Rhode Island Society for the Collegiate Education of Women has founded a Loan Fund from which students of the Women's College who have completed their first year may borrow small sums on easy terms. This fund is available only for students whose record for scholarship is satisfactory to the committee which administers the loans.

## COLLEGE AID

The College awards annually from its own funds scholarships of varying amount to students in need of financial aid. These scholarships are given only to students whose college work is creditable, and are withdrawn if their holders become deficient in scholarship or subject in any way to college discipline.

## SCHOLARSHIPS AND PREMIUMS

The Sarah E. Doyle Scholarship for young women, of one thousand dollars, founded by the lady whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence High School.

The Sarah Sutton Scholarship for young women, of one thousand dollars, founded by one of her eight daughters.

The Daniels Scholarship of twenty-five hundred dollars, the income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College adjunct thereto.

The Howard Scholarship of one thousand dollars presented by James Island Howard of Hartford, Conn.

The Joseph Thayer Scholarship of sixty-five hundred dollars, the income to be for the education of any young man *or woman*, who is a resident of the town of Uxbridge, desiring a liberal education.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some worthy student in the Women's College.

The Gaspee Chapter Daughters of the American Revolution prize of forty dollars, offered by the Gaspee Chapter of D. A. R., is to be paid annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The topic for the year 1901-1902 was "The Attitude and Course of College Graduates in the Revolution." The successful competitor was Mary Child Lee. The essays are to bear each an assumed name, but to be accompanied by an envelope marked with such assumed name and enclosing a sheet of paper with the candidate's real name and address. The essays must be handed to the Dean of the Women's College before May 1, 1903. The award will be announced on Commencement Day, when the topic for the ensuing year will be named.

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. Women candidates successful in first premium contests receive collateral prizes awarded by the Dean.

---

Further information in regard to the work of the Women's College may be secured, and catalogues obtained by addressing the Dean.

THE LIBRARY OF THE  
MAR 24 1931  
UNIVERSITY OF ILLINOIS











